

THISTLE UNIT 71 H

2/4/2024

OCD INCIDENT # nAPP2403629407

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>9671</u>	<u>0.125</u>
Cubic Feet of Soil Impacted	<u>100.740</u>
Barrels of Soil Impacted	<u>17.96</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>2.69</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	2.69
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>5216</u>	<u>0.250</u>
Standing fluid	<u>19.370</u>
<u>Total fluids spilled</u>	<u>22.064</u>



209 W. McKay Street
Carlsbad, New Mexico 88220
Tel. 432-701-2159
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March 26, 2024

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

Re: Remediation Closure Request
Devon Energy Production Company
Thistle Unit #071H
Unit A, Section 27, Township 23S, Range 33E
Site Coordinates: 32.28238002, -103.5537
Lea County, New Mexico
Incident ID: nAPP2403629407

Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Remediation Closure Request Report for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the release number: nAPP2403629407 - Thistle Unit #071H (Site). The Site is in Unit Letter A, Section 27, of Township 23 South and Range 33 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.28238002° N latitude and 103.5537° 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 Release Notification C-141 Form, the release was discovered on February 4th, 2024, and was due to an equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately twenty-two (22) barrels (bbls) of crude oil of which ten (10) bbls were recovered for an approximate net loss of twelve (12) bbls of crude oil. The release area is shown in Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there are no known water source within a ½-mile radius of the location.

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No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the 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 this report.

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 Karst	Unknown

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)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment

On February 6th, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) were installed within the release area, while nine (9) horizontal sample points (H-1 through H-9) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) to one (1) foot (ft) intervals from depths ranging from 0 to 4.5 feet below ground surface (ft bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, NM for analysis of TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B).

The analytical results indicated that Chloride, TPH, Benzene, and BTEX concentrations exceeded the NMOC regulatory limits in the areas of V-1 through V-6 at various depths ranging from surface to three and a half (3.5) ft bgs.

Analytical results are included in Table 1, while soil boring locations are shown in Figure 3. The initial C-141, laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

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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 regulatory limits. The area of V-1 was excavated to a depth of 3 ft. bgs, V-2 and V-3 were excavated to 4 ft. bgs, V-4 was excavated to 1 ft. bgs, and the areas of V-5 and V-6 were excavated to 2 ft bgs.

On March 22nd, 2024, NTGE was on site to conduct a confirmation sampling event. A total of thirty-six (36) composite confirmation samples were collected from the excavation base (CS-1 through CS-36) and twelve (12) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-12) to ensure impacted soil was removed.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. Soil samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Confirmation samples were taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified and chloride by SM4500 Cl-B.

Analytical results showed that all samples were below NMOCD regulatory criterion for the Site, therefore indicating that all impacted soils have been removed from the site. Complete analytical results for all confirmation samples are presented in Table 2 and the final excavation map with confirmation sample locations is shown in Figure 4.

Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached, and Devon formally requests a no further action designation for the Site. 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

NTGE Project No.: 248363



Mr. Mike Bratcher
March 26, 2024
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Attachments:

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

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SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

Thistle Unit #071H

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	N/A	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	X	600	100	--	50	10
51 - 100		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



Wetlands Map



February 12, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

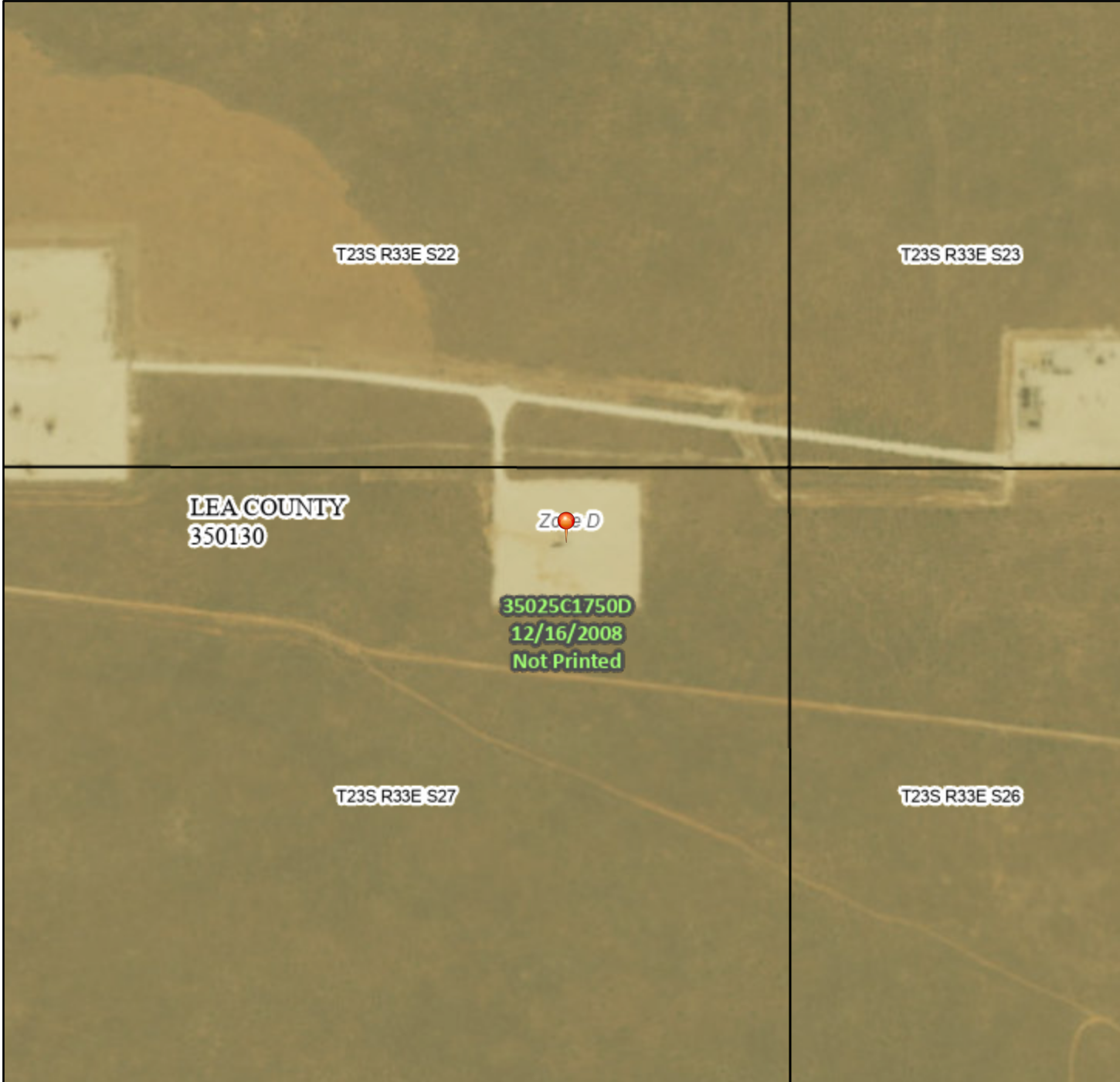
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



103°33'32"W 32°17'12"N



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

1:6,000

103°32'55"W 32°16'41"N

Released to Imaging: 5/10/2024 2:02:14 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 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/12/2024 at 12:01 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.

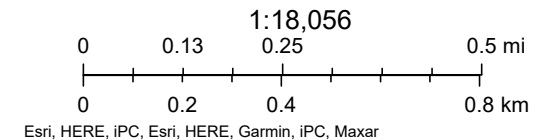
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

OSE POD Location Map



2/12/2024, 11:06:48 AM




- | | | | |
|-----------------|-------------------------|------------------------------|---------------|
| Override 1 | OSE District Boundary | Artesian Planning Area | NHD Flowlines |
| GIS WATERS PODs | Water Right Regulations | New Mexico State Trust Lands | Stream River |
| GIS WATERS PODs | Closure Area | Both Estates | |

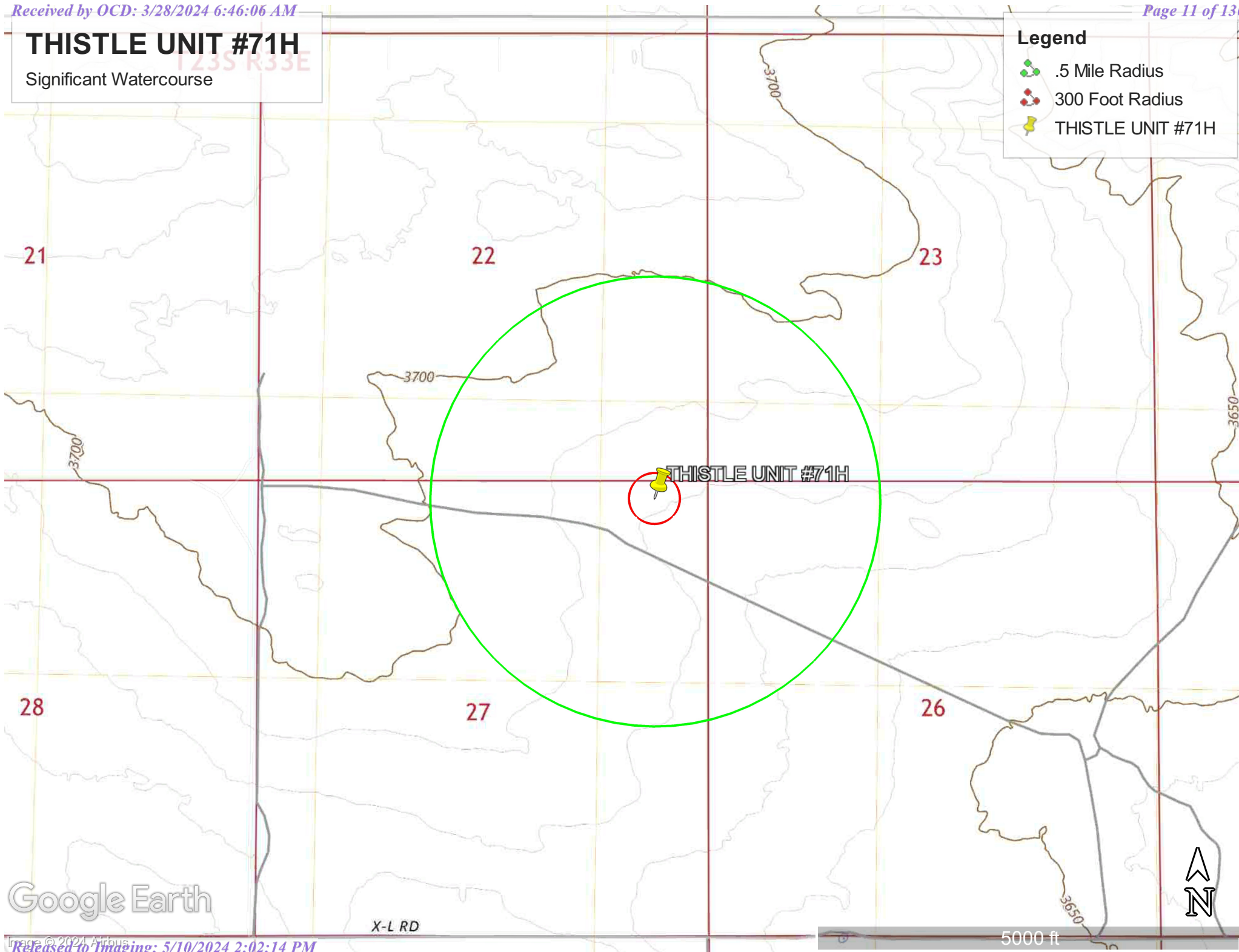


THISTLE UNIT #71H

Significant Watercourse

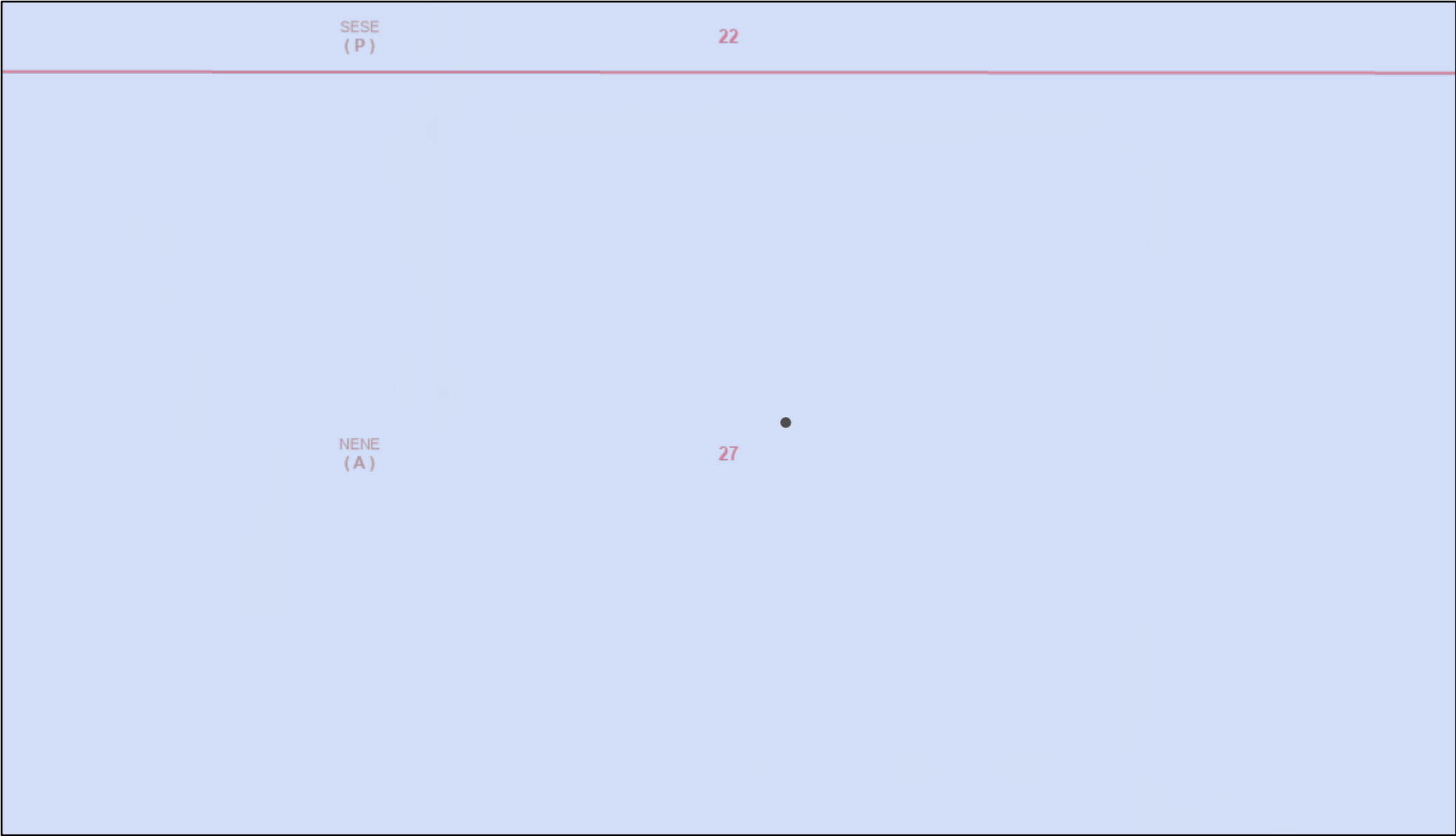
Legend

-  .5 Mile Radius
-  300 Foot Radius
-  THISTLE UNIT #71H



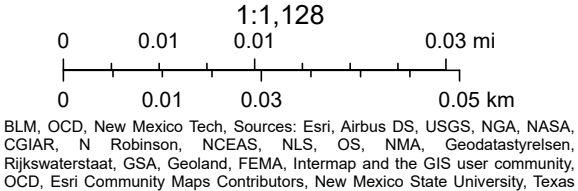
Google Earth

Site Characterization Map



2/12/2024, 11:23:08 AM

Karst Occurrence Potential PLSS Second Division
 Low PLSS First Division



TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Thistle Unit #071H
Devon Energy Production Company
Lea 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 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	19.6	1,570	1,589.6	305	1,894.6	11,100
	02/06/24	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.6	33.6	<10.0	33.6	2,400
	02/06/24	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.5	14.5	<10.0	14.5	2,920
	02/06/24	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
V-2	02/06/24	0-0.5	<0.050	0.062	0.074	0.352	0.488	<10.0	68.5	68.5	<10.0	68.5	6,240
	02/06/24	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.8	47.8	<10.0	47.8	528
	02/06/24	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.8	41.8	<10.0	41.8	144
	02/06/24	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	11.4	370	381.4	71.6	453	304
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
V-3	02/06/24	0-0.5	27.1	174	65.7	218	484	8590	35,900	44,490	7,200	51,690	13,200
	02/06/24	1-1.5	0.082	0.27	0.103	0.363	0.818	<10.0	130	130	18.1	148.1	2,600
	02/06/24	2-2.5	<0.050	0.103	0.063	0.23	0.396	<10.0	71	71	11.9	82.9	2,440
	02/06/24	3-3.5	<0.050	0.65	0.657	2.56	3.87	65.3	626	691.3	129	820.3	2,680
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
V-4	02/06/24	0-0.5	5.32	39.3	12	39.9	96.5	740	1,560	2,300	161	2,461	12,500
	02/06/24	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
	02/06/24	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	02/06/24	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
V-5	02/06/24	0-0.5	16.1	118	63.8	192	390	12,800	59,400	72,200	9,340	81,540	10,400
	02/06/24	1-1.5	0.061	0.631	0.458	1.92	3.07	34	328	362	41.2	403.2	384
	02/06/24	2-2.5	<0.050	0.052	0.058	0.259	0.369	<10.0	55.1	55.1	<10.0	55.1	32
	02/06/24	3-3.5	<0.050	<0.050	0.05	0.232	0.282	<10.0	36.6	36.6	<10.0	36.6	32
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
V-6	02/06/24	0-0.5	34.1	249	101	326	710	8,990	23,300	32,290	3,620	35,910	912
	02/06/24	1-1.5	1.43	13.4	6.45	21.2	42.5	677	2,340	3,017	361	3,378	368
	02/06/24	2-2.5	0.218	2.97	1.69	6.28	11.2	<10.0	56.4	56.4	<10.0	56.4	400
	02/06/24	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
	02/06/24	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

Table 1
Summary of Soil Analytical Data - Delineation Samples
Thistle Unit #071H
Devon Energy Production Company
Lea 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 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Horizontal Delineation Samples														
H-1	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-2	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-3	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-4	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-5	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-6	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
H-7	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
H-8	02/06/24	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
H-9	02/06/24	0-0.5	0.065	0.196	<0.050	<0.150	0.261	<10.0	<10.0	<10.0	<10.0	<10.0	16	

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

SP-1

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
Thistle Unit 71H
Devon Energy Production Company
Lea 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)	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
								Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---		---	100 mg/kg	600 mg/kg			
Base Confirmation Samples													
CS-1	3/22/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-2	3/22/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11	11	<10.0	11	32
CS-3	3/22/2024	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	3/22/2024	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	3/22/2024	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	3/22/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-7	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-8	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-9	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-10	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-11	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-12	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.5	22.5	<10.0	22.5	<16.0
CS-13	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-14	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	17.7	<10.0	17.7	48
CS-15	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	15.8	<10.0	15.8	16
CS-16	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-17	3/22/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-18	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.7	20.7	<10.0	20.7	<16.0
CS-19	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-20	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-21	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-22	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-23	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-24	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-25	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-26	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-27	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-28	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-29	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-30	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-31	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-32	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-33	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-34	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-35	3/22/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-36	3/22/2024	2'	<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
Thistle Unit 71H
Devon Energy Production Company
Lea 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 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---		---	100 mg/kg	600 mg/kg
Sidewall Confirmation Samples													
SW-1	3/22/2024	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	3/22/2024	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-3	3/22/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-4	3/22/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-5	3/22/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-6	3/22/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-7	3/22/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-8	3/22/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-9	3/22/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-10	3/22/2024	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-11	3/22/2024	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-12	3/22/2024	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-13	3/22/2024	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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

SP-1

Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

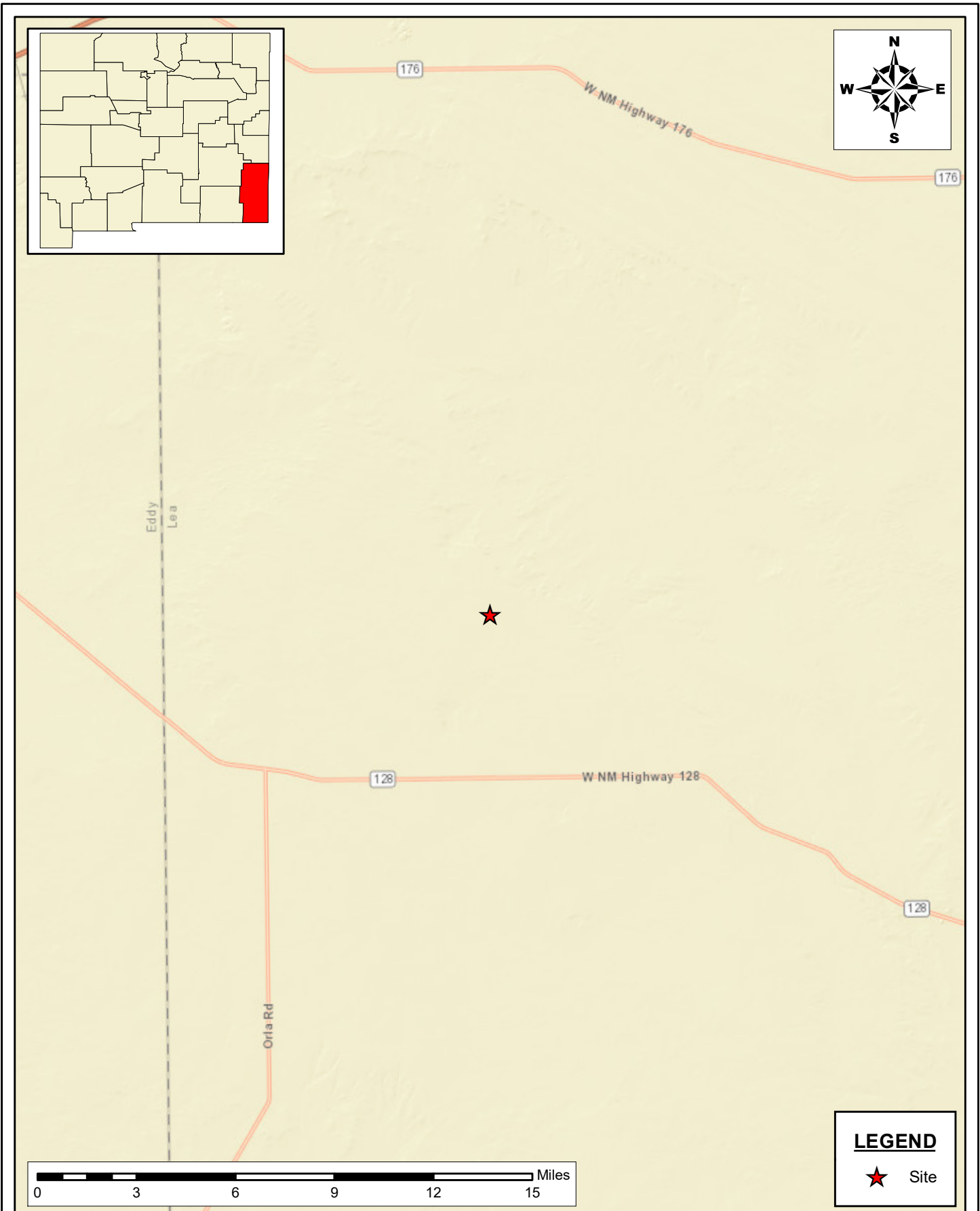
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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


FIGURES

Document Path: C:\Users\ntgis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\RSC\248363 - Thistle Unit 71H7- Figures\GIS\Figure_1_SL.mxd



SITE LOCATION MAP
REMEDIATION CLOSURE REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE UNIT #071H
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 2/12/2024 PROJECT #: 248363


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

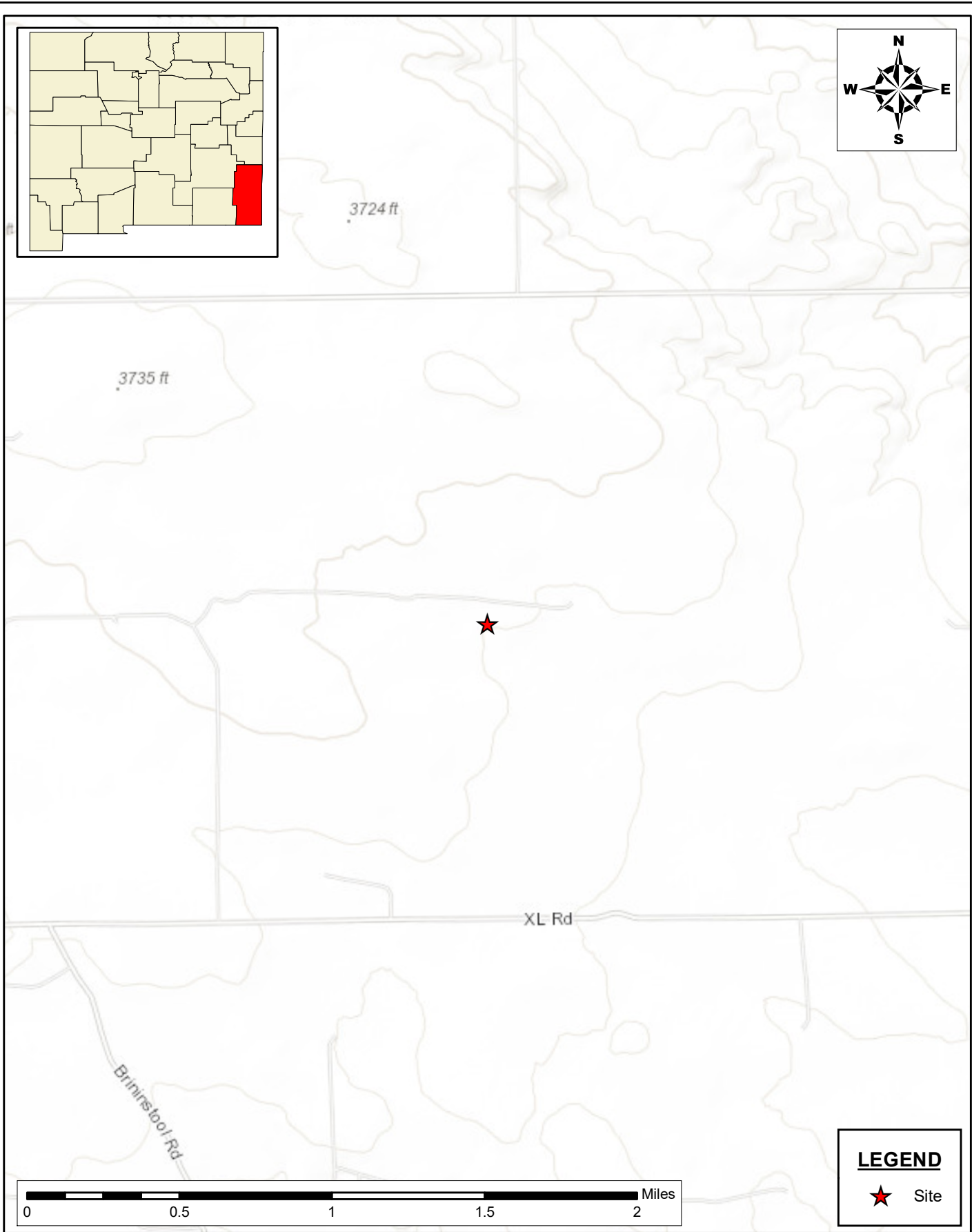
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntgis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\RSC\248363 - Thistle Unit 71H\7- Figures\GIS\Figure_2_TM.mxd



**TOPOGRAPHIC MAP
REMEDICATION CLOSURE REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE UNIT #071H
LEA COUNTY, NEW MEXICO**

SCALE: As Shown Date: 2/12/2024 PROJECT #: 248363



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

NOTES:

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

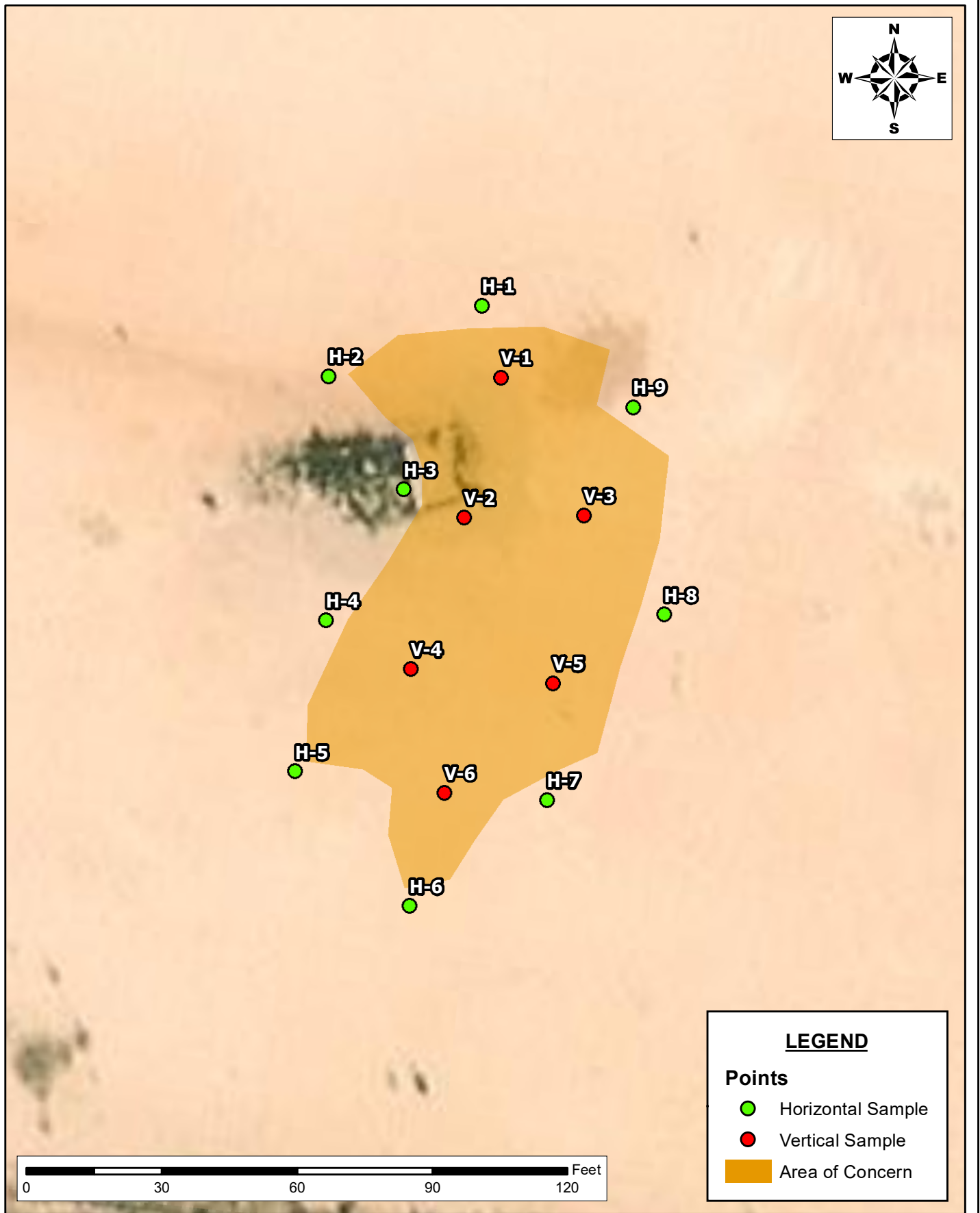
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NRSC\248363 - Thistle Unit 71H\7- Figures\GIS\Figure_3_Closure Map.mxd



LEGEND

Points

- Horizontal Sample
- Vertical Sample
- Area of Concern

**SITE ASSESSMENT SAMPLING MAP
REMEDIATION CLOSURE REQUEST**
DEVON ENERGY PRODUCTION COMPANY
THISTLE UNIT #071H
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 02/12/2024	PROJECT #: 248363
-----------------	------------------	-------------------

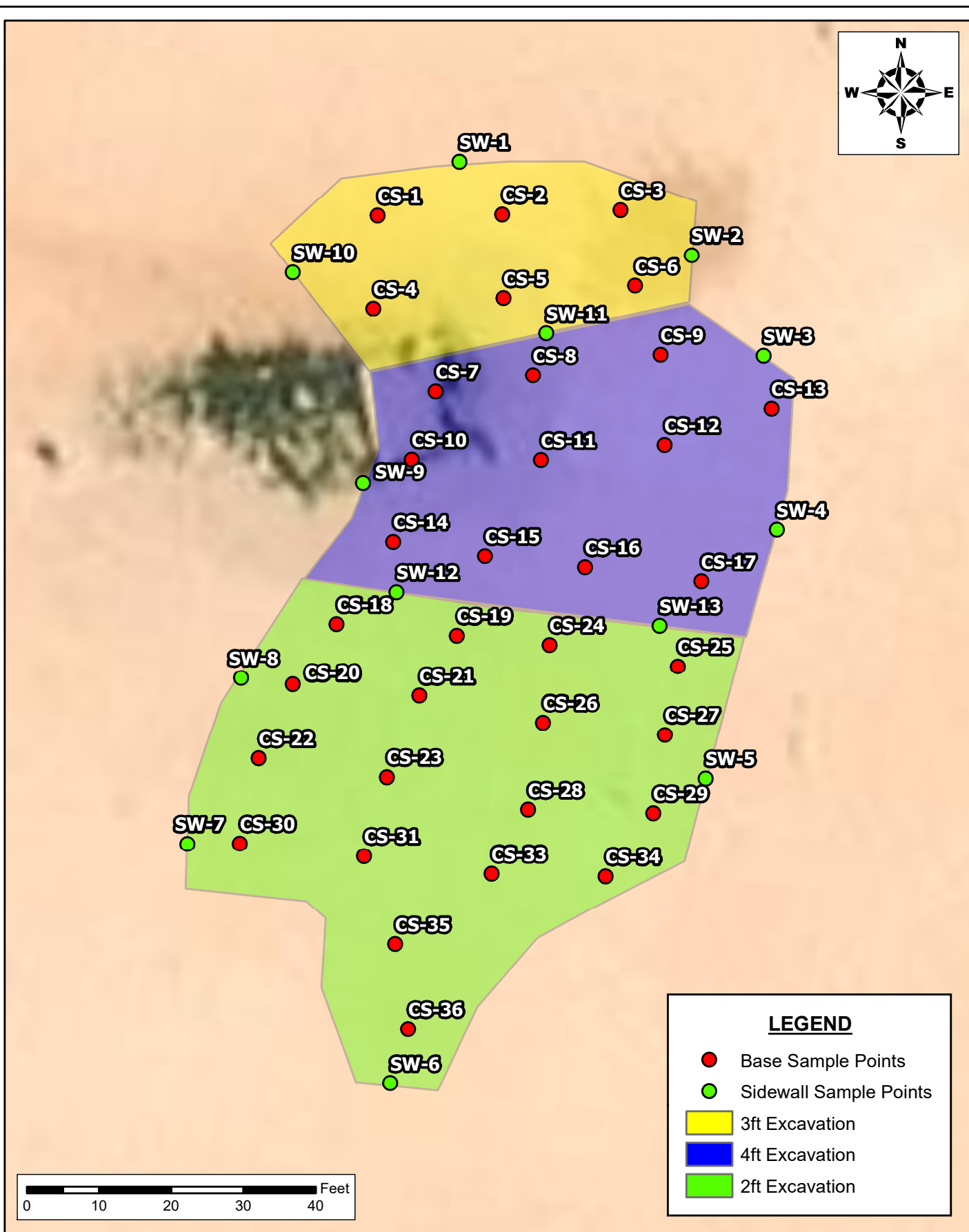

New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:

- 1. Base Image: ESRI Maps & Data 2017
- 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntge\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NRSC\248363 - Thistle Unit 71H7 - Figures\GIS\Figure_4_CS.mxd



**CONFIRMATION SAMPLING MAP
REMEDiation CLOSURE REQUEST**
DEVON ENERGY PRODUCTION COMPANY
THISTLE UNIT #071H
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN

DATE: 03/26/2024

PROJECT #: 248363



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 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
Devon Energy Production Company
Thistle Unit #071H

Photograph No. 1

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 2**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Concern

**Photograph No. 3**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG
Devon Energy Production Company
Thistle Unit #071H

Photograph No. 4

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Excavation

**Photograph No. 5**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Excavation

**Photograph No. 6**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Excavation



PHOTOGRAPHIC LOG
Devon Energy Production Company
Thistle Unit #071H

Photograph No. 7

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Excavation

**Photograph No. 8**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

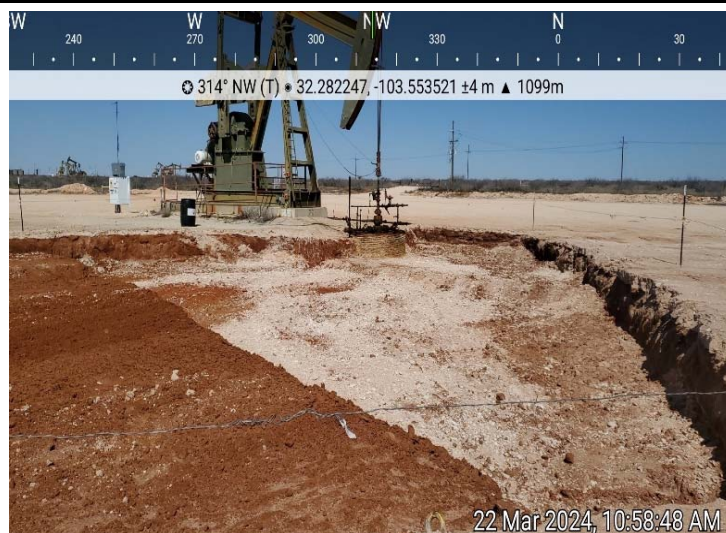
Description:
Area of Excavation

**Photograph No. 9**

Facility: Thistle Unit #071H

County: Lea County, New Mexico

Description:
Area of Excavation



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

February 12, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT 71H

Enclosed are the results of analyses for samples received by the laboratory on 02/06/24 12:46.

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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 0-6" (H240548-01)

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	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	11100	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.6	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	1570	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	305	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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

Received: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 1-1.5' (H240548-02)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	2400	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	33.6	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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

Received: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 2-2.5' (H240548-03)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	2920	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	14.5	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 3-3.5' (H240548-04)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	192	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 1 4-4.5' (H240548-05)

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	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	16.0	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 101 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 0-6" (H240548-06)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	0.062	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	0.074	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	0.352	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	0.488	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	6240	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	68.5	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 1-1.5' (H240548-07)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	528	16.0	02/07/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	47.8	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 101 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 2-2.5' (H240548-08)

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	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	144	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	41.8	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 100 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 3-3.5' (H240548-09)

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	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	304	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.4	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	370	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	71.6	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 2 4-4.5' (H240548-10)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	02/07/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 0-6" (H240548-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	27.1	1.00	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	174	1.00	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	65.7	1.00	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	218	3.00	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	484	6.00	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	13200	16.0	02/07/2024	ND	432	108	400	7.69		

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*	8590	50.0	02/07/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	35900	50.0	02/07/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	7200	50.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 1140 % 48.2-134

Surrogate: 1-Chlorooctadecane 818 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 1-1.5' (H240548-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.082	0.050	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	0.270	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	0.103	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	0.363	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	0.818	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	2600	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	130	10.0	02/06/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	18.1	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 2-2.5' (H240548-13)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	0.103	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	0.063	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	0.230	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	0.396	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	2440	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	71.0	10.0	02/07/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	11.9	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 3-3.5' (H240548-14)

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	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	0.650	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	0.657	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	2.56	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	3.87	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	2680	16.0	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	65.3	10.0	02/07/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	626	10.0	02/07/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	129	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 3 4-4.5' (H240548-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	02/07/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	200	99.9	200	2.61	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	194	97.2	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 0-6" (H240548-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.32	0.500	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	39.3	0.500	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	12.0	0.500	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	39.9	1.50	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTEX	96.5	3.00	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	12500	16.0	02/07/2024	ND	432	108	400	7.69		

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*	740	50.0	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	1560	50.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	161	50.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 1-1.5' (H240548-17)

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	02/06/2024	ND	2.11	105	2.00	0.169		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	80.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 2-2.5' (H240548-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.169	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	105	2.00	0.438	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.10	105	2.00	0.466	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.13	102	6.00	0.566	
Total BTX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 3-3.5' (H240548-19)

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	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 4 4-4.5' (H240548-20)

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	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTX	<0.300	0.300	02/06/2024	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	16.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 0-6" (H240548-21)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	16.1	1.00	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	118	1.00	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	63.8	1.00	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	192	3.00	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTEX	390	6.00	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 142 % 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	10400	16.0	02/07/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12800	50.0	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	59400	50.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	9340	50.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 704 % 48.2-134

Surrogate: 1-Chlorooctadecane 1040 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 1-1.5' (H240548-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.061	0.050	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	0.631	0.050	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	0.458	0.050	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	1.92	0.150	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTEX	3.07	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	384	16.0	02/07/2024	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*	34.0	10.0	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	328	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	41.2	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 2-2.5' (H240548-23)

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	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	0.052	0.050	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	0.058	0.050	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	0.259	0.150	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTEX	0.369	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	55.1	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 3-3.5' (H240548-24)

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	02/06/2024	ND	2.08	104	2.00	1.90	
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	0.232	0.150	02/06/2024	ND	6.28	105	6.00	2.22	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	36.6	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 5 4-4.5' (H240548-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 71.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.3 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 0-6" (H240548-26)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	34.1	2.00	02/07/2024	ND	2.08	104	2.00	1.90	
Toluene*	249	2.00	02/07/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	101	2.00	02/07/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	326	6.00	02/07/2024	ND	6.28	105	6.00	2.22	
Total BTEX	710	12.0	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	912	16.0	02/07/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	8990	50.0	02/07/2024	ND	218	109	200	2.86	
DRO >C10-C28*	23300	50.0	02/07/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	3620	50.0	02/07/2024	ND					

Surrogate: 1-Chlorooctane 325 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 1-1.5' (H240548-27)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.43	0.100	02/07/2024	ND	2.08	104	2.00	1.90	
Toluene*	13.4	0.100	02/07/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	6.45	0.100	02/07/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	21.2	0.300	02/07/2024	ND	6.28	105	6.00	2.22	
Total BTEX	42.5	0.600	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 167 % 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	368	16.0	02/07/2024	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*	677	10.0	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	2340	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	361	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 2-2.5' (H240548-28)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.218	0.050	02/07/2024	ND	2.08	104	2.00	1.90	
Toluene*	2.97	0.050	02/07/2024	ND	2.11	106	2.00	1.77	
Ethylbenzene*	1.69	0.050	02/07/2024	ND	2.09	105	2.00	2.41	
Total Xylenes*	6.28	0.150	02/07/2024	ND	6.28	105	6.00	2.22	
Total BTEX	11.2	0.300	02/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 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	400	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	56.4	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 3-3.5' (H240548-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: V - 6 4-4.5' (H240548-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 0-6" (H240548-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEx	<0.300	0.300	02/06/2024	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	<16.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 0-6" (H240548-32)

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	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 0-6" (H240548-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	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	<16.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 0-6" (H240548-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEx	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 0-6" (H240548-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	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	<16.0	16.0	02/07/2024	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	02/06/2024	ND	218	109	200	2.86	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	227	113	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 0-6" (H240548-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	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	<16.0	16.0	02/07/2024	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	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 0-6" (H240548-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTEX	<0.300	0.300	02/06/2024	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	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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*=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
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 0-6" (H240548-38)

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	02/06/2024	ND	2.08	104	2.00	1.90		
Toluene*	<0.050	0.050	02/06/2024	ND	2.11	106	2.00	1.77		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.09	105	2.00	2.41		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.28	105	6.00	2.22		
Total BTX	<0.300	0.300	02/06/2024	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	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 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: 02/06/2024
 Reported: 02/12/2024
 Project Name: THISTLE UNIT 71H
 Project Number: NONE GIVEN
 Project Location: DEVON - LEA CO., NM

Sampling Date: 02/06/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 9 0-6" (H240548-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.065	0.050	02/06/2024	ND	1.99	99.3	2.00	6.10	
Toluene*	0.196	0.050	02/06/2024	ND	2.14	107	2.00	2.18	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.28	114	2.00	1.50	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.83	114	6.00	1.08	
Total BTEX	<0.300	0.300	02/06/2024	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	16.0	16.0	02/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	184	92.2	200	3.01	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	196	98.1	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1840548

Page 1 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Dale.woodall@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Refund <input type="checkbox"/>	
State of Project:	
Reporting Level: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit 71H		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:																None: NO DI Water: H ₂ O				
Project Location:	Lea Co. NM		Due Date:													Cool: Cool MeOH: Me				
Sampler's Name:	Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC HNO ₃ : HN				
PO #:	21291826															H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:													NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:													Zn Acetate+NaOH: Zn				
Total Containers:	35		Corrected Temperature:													NaOH+Ascorbic Acid: SARC				
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
V-1	0-6"	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X	2004502810			
V-1	1-1.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-1	2-2.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-1	3-3.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-1	4-4.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-2	0-6"	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-2	1-1.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-2	2-2.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-2	3-3.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				
V-2	4-4.5'	2/6/2024		X		Grab/	1	X	X	X	X	X	X	X	X	X				

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	2-6-24 1246			



Chain of Custody

Work Order No: # 1240548

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Date.woodall@devon.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Reporting Level: <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>	

Project Name:		Thisle Unit 71H		Turn Around		ANALYSIS REQUEST												Preservative Codes									
Project Number:				<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO DI Water: H ₂ O									
Project Location:		Lea Co. NM		Due Date:		TAT starts the day received by the lab, if received by 4:30pm												Cool: Cool MeOH: Me									
Sampler's Name:		Kellan Smith																HCL: HC HNO ₃ : HN									
PO #:		21291826																H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT						Temp Blank:		Yes (No)		Well Ice:		Yes (No)															
Received Intact:		Yes No		Thermometer ID:		Yes No		Correction Factor:		Temperature Reading:		0.12															
Cooler Custody Seals:		Yes No		N/A		Corrected Temperature:		2 31																			
Sample Custody Seals:		Yes No		N/A																							
Total Containers:		2		31																							
Sample Identification		Depth		Date		Time		Soil		Water		Grab/Comp		# of Cont		Parameters											
V-3		0-6"		2/6/2024				X				Grab/		1		BTX 8021B											
V-3		1-1.5'		2/6/2024				X				Grab/		1		TPH 8015M (GRO + DRO + MRO)											
V-3		2-2.5'		2/6/2024				X				Grab/		1		Chloride 4500											
V-3		3-3.5'		2/6/2024				X				Grab/		1													
V-3		4-4.5'		2/6/2024				X				Grab/		1													
V-4		0-6"		2/6/2024				X				Grab/		1													
V-4		1-1.5'		2/6/2024				X				Grab/		1													
V-4		2-2.5'		2/6/2024				X				Grab/		1													
V-4		3-3.5'		2/6/2024				X				Grab/		1													
V-4		4-4.5'		2/6/2024				X				Grab/		1													
																HOLD											
				</																							

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: #

H240548

Page 3 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Date.woodall@dyn.com

Project Name:		Thistle Unit 71H		Turn Around			Pres. Code	ANALYSIS REQUEST												Preservative Codes									
Project Number:				<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush													None: NO	DI Water: H ₂ O										
Project Location:		Lea Co. NM		Due Date:		TAT starts the day received by the lab, if received by 4:30pm												Cool: Cool	MeOH: Me										
Sampler's Name:		Kellan Smith																HCL: HC	HNO ₃ : HN										
PO #:		21291826																H ₂ SO ₄ : H ₂	NaOH: Na										
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Thermometer ID:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>				H ₃ PO ₄ : HP											
Received Intact:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>				Correction Factor:												NaHSO ₄ : NABIS											
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		N/A		Temperature Reading:												Na ₂ S ₂ O ₃ : NaSO ₃											
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>		N/A		Corrected Temperature:												Zn Acetate+NaOH: Zn											
Total Containers:		64		59														NaOH+Ascorbic Acid: SAPC											
Sample Identification		Depth		Date		Time		Soil		Water		Grab/ Comp		# of Cont		Parameters												Sample Comments	
V-5		0-6"		2/6/2024				X				Grab/		1		BTEX 8021B												21	
V-5		1-1.5'		2/6/2024				X				Grab/		1		TPH 8015M (GRO + DRO + MRO)												22	
V-5		2-2.5'		2/6/2024				X				Grab/		1		Chloride 4500												23	
V-5		3-3.5'		2/6/2024				X				Grab/		1														24	
V-5		4-4.5'		2/6/2024				X				Grab/		1														25	
V-6		0-6"		2/6/2024				X				Grab/		1														26	
V-6		1-1.5'		2/6/2024				X				Grab/		1														27	
V-6		2-2.5'		2/6/2024				X				Grab/		1														28	
V-6		3-3.5'		2/6/2024				X				Grab/		1														29	
V-6		4-4.5'		2/6/2024				X				Grab/		1														30	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/6/24 12:40	2		
3			4		
5			6		



Chain of Custody

Work Order No: # H240548

Page 4 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Dale.woodall@dvn.com

Project Name:		Thisle Unit 71H	
Project Number:		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush
Project Location:	Lea Co. NM	Due Date:	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21291826		

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Coder Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0.1%					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						

Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes			
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										None: NO	DI Water: H ₂ O	Cool: Cool	MeOH: Me
H-1	0-6"	2/6/2024		X		Grab/	1	X	X	X										NaHSO ₄ : NABIS		HCL: HC	HNO ₃ : HN
H-2	0-6"	2/6/2024		X		Grab/	1	X	X	X										Na ₂ S ₂ O ₃ : NaSO ₃		H ₂ SO ₄ : H ₂	NaOH: Na
H-3	0-6"	2/6/2024		X		Grab/	1	X	X	X										H ₃ PO ₄ : HP			
H-4	0-6"	2/6/2024		X		Grab/	1	X	X	X													
H-5	0-6"	2/6/2024		X		Grab/	1	X	X	X													
H-6	0-6"	2/6/2024		X		Grab/	1	X	X	X													
H-7	0-6"	2/6/2024		X		Grab/	1	X	X	X													
H-8	0-6"	2/6/2024		X		Grab/	1	X	X	X													
H-9	0-6"	2/6/2024		X		Grab/	1	X	X	X													

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



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

March 26, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT 71H

Enclosed are the results of analyses for samples received by the laboratory on 03/22/24 13:10.

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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 3' (H241515-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48	
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 3' (H241515-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEx	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	11.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 3' (H241515-03)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 3' (H241515-04)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEx	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 3' (H241515-05)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEx	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 3' (H241515-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEx	<0.300	0.300	03/22/2024	ND						

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

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 4' (H241515-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 4' (H241515-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 4' (H241515-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEx	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 4' (H241515-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 4' (H241515-11)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 4' (H241515-12)

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	03/22/2024	ND	1.82	91.1	2.00	2.48	
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	22.5	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 4' (H241515-13)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 102 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 4' (H241515-14)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	48.0	16.0	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	17.7	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 4' (H241515-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	15.8	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 16 4' (H241515-16)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 17 4' (H241515-17)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 18 2' (H241515-18)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	20.7	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 19 2' (H241515-19)

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	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/25/2024	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	03/22/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 20 2' (H241515-20)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	1.82	91.1	2.00	2.48		
Toluene*	<0.050	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02		
Total BTX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/25/2024	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	03/23/2024	ND	186	92.9	200	0.554	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	195	97.4	200	0.101	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 21 2' (H241515-21)

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	03/22/2024	ND	2.24	112	2.00	7.30	QR-03	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 22 2' (H241515-22)

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	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 23 2' (H241515-23)

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	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 24 2' (H241515-24)

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	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 25 2' (H241515-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 26 2' (H241515-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 27 2' (H241515-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 28 2' (H241515-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 29 2' (H241515-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 30 2' (H241515-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 31 2' (H241515-31)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 32 2' (H241515-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 33 2' (H241515-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 34 2' (H241515-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 35 2' (H241515-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 36 2' (H241515-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	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	<16.0	16.0	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-3' (H241515-37)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	03/25/2024	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	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-3' (H241515-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Total BTEX	<0.300	0.300	03/22/2024	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	<16.0	16.0	03/25/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-4' (H241515-39)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.24	112	2.00	7.30	
Toluene*	<0.050	0.050	03/23/2024	ND	2.35	117	2.00	7.21	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.52	126	2.00	6.60	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	7.48	125	6.00	6.44	
Total BTX	<0.300	0.300	03/23/2024	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	<16.0	16.0	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 0-4' (H241515-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/23/2024	ND	2.24	112	2.00	7.30		
Toluene*	<0.050	0.050	03/23/2024	ND	2.35	117	2.00	7.21		
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.52	126	2.00	6.60		
Total Xylenes*	<0.150	0.150	03/23/2024	ND	7.48	125	6.00	6.44		
Total BTEx	<0.300	0.300	03/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	03/25/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2024	ND	203	102	200	0.132	
DRO >C10-C28*	<10.0	10.0	03/23/2024	ND	182	91.0	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/23/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 0-2' (H241515-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/22/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.26	104	6.00	3.87	
Total BTEX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 0-2' (H241515-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2024	ND	2.13	106	2.00	3.58		
Toluene*	<0.050	0.050	03/22/2024	ND	2.15	107	2.00	3.52		
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.12	106	2.00	4.02		
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.26	104	6.00	3.87		
Total BTEX	<0.300	0.300	03/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 0-2' (H241515-43)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/22/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.26	104	6.00	3.87	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-2' (H241515-44)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/22/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/22/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/22/2024	ND	6.26	104	6.00	3.87	
Total BTX	<0.300	0.300	03/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 0-4' (H241515-45)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/23/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.26	104	6.00	3.87	
Total BTEx	<0.300	0.300	03/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 0-3' (H241515-46)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/23/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.26	104	6.00	3.87	
Total BTX	<0.300	0.300	03/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/22/2024	ND	189	94.5	200	3.63	
DRO >C10-C28*	<10.0	10.0	03/22/2024	ND	197	98.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	03/22/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 3-4' (H241515-47)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/23/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.26	104	6.00	3.87	
Total BTX	<0.300	0.300	03/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	224	112	200	2.60	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	223	111	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 2-4' (H241515-48)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/23/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.26	104	6.00	3.87	
Total BTEX	<0.300	0.300	03/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	224	112	200	2.60	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	223	111	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 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: 03/22/2024
 Reported: 03/26/2024
 Project Name: THISTLE UNIT 71H
 Project Number: 248363
 Project Location: DEVON - LEA CO., NM

Sampling Date: 03/22/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 2-4' (H241515-49)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2024	ND	2.13	106	2.00	3.58	
Toluene*	<0.050	0.050	03/23/2024	ND	2.15	107	2.00	3.52	
Ethylbenzene*	<0.050	0.050	03/23/2024	ND	2.12	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	03/23/2024	ND	6.26	104	6.00	3.87	
Total BTX	<0.300	0.300	03/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/25/2024	ND	464	116	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	224	112	200	2.60	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	223	111	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H241515

Page 1 of 6

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> AdAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit 71H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	248363	<input checked="" type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co, NM	Due Date:	48hr														Cool: Cool	MeOH: Me			
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN			
PO #:	21291826																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													HOLD			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																H ₃ PO ₄ : HP			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:																NaHSO ₄ : NABIS			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:																Na ₂ S ₂ O ₃ : NaSO ₃			
Total Containers:	5/49	Corrected Temperature:																Zn Acetate+NaOH: Zn			
																		NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1	3	3/22/2024		X		Comp	1	X	X	X											
CS-2	3	3/22/2024		X		Comp	1	X	X	X											
CS-3	3	3/22/2024		X		Comp	1	X	X	X											
CS-4	3	3/22/2024		X		Comp	1	X	X	X											
CS-5	3	3/22/2024		X		Comp	1	X	X	X											
CS-6	3	3/22/2024		X		Comp	1	X	X	X											
CS-7	4	3/22/2024		X		Comp	1	X	X	X											
CS-8	4	3/22/2024		X		Comp	1	X	X	X											
CS-9	4	3/22/2024		X		Comp	1	X	X	X											
CS-10	4	3/22/2024		X		Comp	1	X	X	X											

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	3-22-24 1310	2		
3			4		
5			6		



Chain of Custody

Work Order No:

A241515

Page 2 of 6

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PRP	PRP
State of Project:	Reporting Level II
Deliverables: EDD	ADAPT
Other:	

Project Name:	Thistle Unit 71H	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	248363	<input checked="" type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O
Project Location:	Lea Co, NM	Due Date:	4hr														Cool: Cool	MeOH: Me
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN
PO #:	21291826																H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No									H ₃ PO ₄ : HP		
Received In tact:	Yes	No	Thermometer ID:	140									NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes	No	Correction Factor:	2.52									Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes	No	Temperature Reading:										Zn Acetate+NaOH: Zn					
Total Containers:	27	49	Corrected Temperature:										NaOH+Ascorbic Acid: SAPC					
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont									Sample Comments		
CS-11	4	3/22/2024		X		Comp	1	X	X	X								
CS-12	4	3/22/2024		X		Comp	1	X	X	X								
CS-13	4	3/22/2024		X		Comp	1	X	X	X								
CS-14	4	3/22/2024		X		Comp	1	X	X	X								
CS-15	4	3/22/2024		X		Comp	1	X	X	X								
CS-16	4	3/22/2024		X		Comp	1	X	X	X								
CS-17	4	3/22/2024		X		Comp	1	X	X	X								
CS-18	12	3/22/2024		X		Comp	1	X	X	X								
CS-19	12	3/22/2024		X		Comp	1	X	X	X								
CS-20	12	3/22/2024		X		Comp	1	X	X	X								

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	3-22-24 1330			



Chain of Custody

Work Order No:

4241515

Page 3 of 6

Page 54 of 56



Project Manager	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name	NTG Environmental	Company Name	Devon
Address	209 W McKay St	Address	
City, State ZIP	Carlsbad, NM 88220	City, State ZIP	
Phone	432-701-2159	Email: esessums@ntglobal.com	

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> P/ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible][illegible]

Additional Comments:

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For Aemco: A minimum change of \$50.00 will be applied to each program.					Date/Time
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		3-22-24 1310	2		
3			4		
5			6		

Revised Date 05/01/2020 Rev. 20



Chain of Custody

Work Order No:

12941515

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Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 86220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit 71H	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	248363	<input checked="" type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	Lea Co. NM	Due Date:	4/8hr														Cool: Cool	MeOH: Me			
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN			
PO #:	21291826																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn				
Total Containers:	49	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC				
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-31	2	3/22/2024		X		Comp	1	X	X	X	X										
CS-32	2	3/22/2024		X		Comp	1	X	X	X	X										
CS-33	2	3/22/2024		X		Comp	1	X	X	X	X										
CS-34	2	3/22/2024		X		Comp	1	X	X	X	X										
CS-35	2	3/22/2024		X		Comp	1	X	X	X	X										
CS-36	2	3/22/2024		X		Comp	1	X	X	X	X										
SW-1	0-3	3/22/2024		X		Comp	1	X	X	X	X										
SW-2	0-3	3/22/2024		X		Comp	1	X	X	X	X										
SW-3	0-4	3/22/2024		X		Comp	1	X	X	X	X										
SW-4	0-4	3/22/2024		X		Comp	1	X	X	X	X										

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: H241515

Page 5 of 6

Page 56 of 56

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 86220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments			
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>		
State of Project:			
Reporting Level:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>		

Project Name:	Thistle Unit 71H	Turn Around	<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	248363	Due Date:	4/8/24		
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Kenny Han				
PO #:	21291826				
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Inlet:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:			
Total Containers:	49	Corrected Temperature:			
Parameters					
BTX 8021B					
TPH 8015M (GRO + DRO + MRO)					
Chloride 4500					
HOLD					
Preservative Codes					
None: NO DI Water: H2O					
Cool: Cool MeOH: Me					
HCL: HC HNO3: HN					
H2SO4: H2 NaOH: Na					
H3PO4: HP					
NaHSO4: NABIS					
Na2S2O3: NaSO3					
Zn Acetate+NaOH: Zn					
NaOH+Ascorbic Acid: SANC					
Sample Comments					

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	TPH												Sample Comments
SW-5	0-2	3/22/2024		X		Comp	1	X	X	X										
SW-6	0-2	3/22/2024		X		Comp	1	X	X	X										
SW-7	0-2	3/22/2024		X		Comp	1	X	X	X										
SW-8	0-2.01	3/22/2024		X		Comp	1	X	X	X										
SW-9	0-4	3/22/2024		X		Comp	1	X	X	X										
SW-10	0-3	3/22/2024		X		Comp	1	X	X	X										
SW-11	3-4	3/22/2024		X		Comp	1	X	X	X										
SW-12	2-4.4	3/22/2024		X		Comp	1	X	X	X										
SW-13	2-4	3/22/2024		X		Comp	1	X	X	X										
SW-14	1-2	3/22/2024		X		Comp	1	X	X	X									Disregard Sample	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>3-22-24 1310</u>			

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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 327558

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	327558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403629407
Incident Name	NAPP2403629407 THISTLE UNIT #071H @ 30-025-42425
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-42425] THISTLE UNIT #071H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	THISTLE UNIT #071H
Date Release Discovered	02/04/2024
Surface Owner	State

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 Fitting Crude Oil Released: 22 BBL Recovered: 10 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	LO ARIVED ON LOCATION AND FOUND 1/4 NIPPLE LEAKING FROM THE THREADS ON PUMPING T. LO SHUT OFF PUMPING UNIT AND SHUT VALVES TO STOP LEAK. LO THEN REPLACED THE NIPPLE WITH A PLUG AND PUT THE UNIT BACK IN SERVICE. 22 BBLS OIL SPILLED. 10 BBLS RECOVERED

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QUESTIONS, Page 2

Action 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	327558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. 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@dmn.com Date: 03/28/2024
--	--

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QUESTIONS, Page 3

Action 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	327558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (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)	13200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	81540
GRO+DRO (EPA SW-846 Method 8015M)	72200
BTEX (EPA SW-846 Method 8021B or 8260B)	710
Benzene (EPA SW-846 Method 8021B or 8260B)	34.1

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	03/11/2024
On what date will (or did) the final sampling or liner inspection occur	03/25/2024
On what date will (or was) the remediation complete(d)	03/29/2024
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	6644
What is the estimated volume (in cubic yards) that will be remediated	697

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 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	327558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/28/2024
--	--

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 5

Action 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 327558
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

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District II

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District III

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District IV

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

QUESTIONS, Page 6

Action 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	327558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	324613
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/22/2024
What was the (estimated) number of samples that were to be gathered	35
What was the sampling surface area in square feet	6500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6644
What was the total volume (cubic yards) remediated	697
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	6644
What was the total volume (in cubic yards) reclaimed	697
Summarize any additional remediation activities not included by answers (above)	see report

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/28/2024
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QUESTIONS, Page 7

Action 327558

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 327558
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 327558

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	327558
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	5/10/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/10/2024