THISTLE UNIT 71 H

2/4/2024

OCD INCIDENT # nAPP2403629407

<u>Spi</u>	ll Volume(E	Bbls) Calculator					
In	puts in blue	, Outputs in red					
Cor	ntaminated S	Soil measurement					
Area (squ	are feet)	Depth(inches)					
967	<u>71</u>	<u>0.125</u>					
Cubic Feet of S	Soil Impacted	<u>100.740</u>					
Barrels of So	il Impacted	<u>17.96</u>					
Soil T	ype	Clay/Sand					
Barrels of Oi 100% Sat		2.69					
Saturation	Fluid pre	sent with shovel/backhoe					
Estimated Ba Relea		2.69					
	Free Standi	ing Fluid Only					
Area (squ	are feet)	Depth(inches)					
<u>521</u>	<u>16</u>	<u>0.250</u>					
Standin	g fluid	<u>19.370</u>					
Total fluid	ls spilled	<u>22.064</u>					



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

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.

Creating a Better Environment For Oil & Gas Operations Mr. Mike Bratcher March 26, 2024 Page 2 of 3

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	BTEX	Benzene
		(GRO+DRO+MRO)			
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 withing 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 NMOCD 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.

NTGE Project No.: 248363



Mr. Mike Bratcher March 26, 2024 Page 3 of 3

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above 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 Page 4 of 4

Attachments:

Site Characterization

Tables Figures

Photographic Log

Laboratory Reports and Chain-of-Custody Documents

A NTG



NMOCD Closure Criteria

Thistle Unit #071H

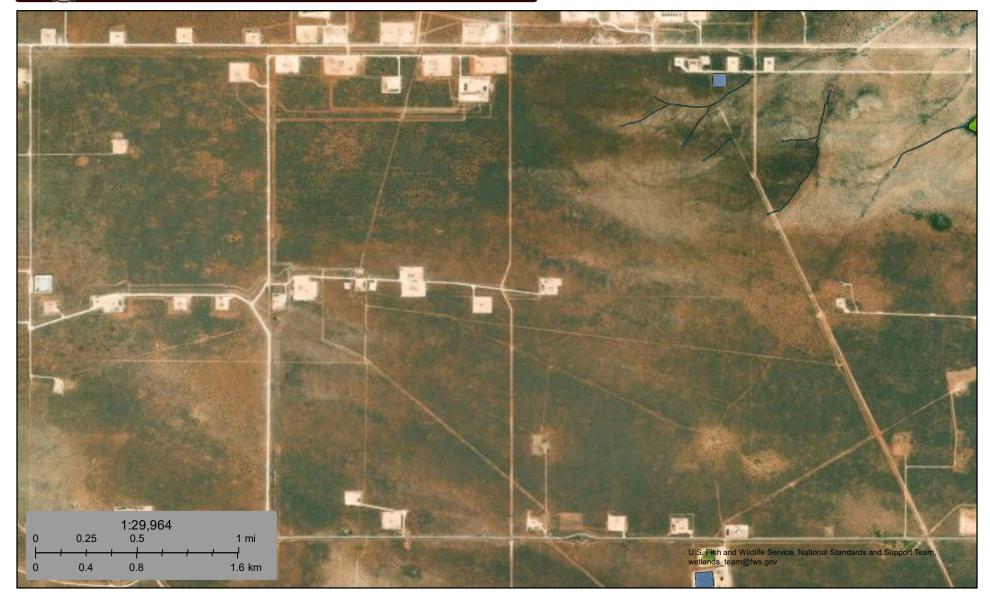
Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	N/A	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	N/A	National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	N/A	National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

Closure Criteria (19.1	5.29.12.B(4) aı	nd Table 1 NMAC)								
	· ·	Closure Criteria (mg/kg)								
Depth to Groundwater (ft)		Chloride*	TPH	GRO + DRO	BTEX	Benzene				
< 50	Х	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									
<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?										
by less that 3 households for domestic or livestock purposes:	No									
<1,000 ft from a fresh water well or spring?	No									
Human and Other Area		600	100		50	10				
<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 Pond

Freshwater Forested/Shrub Wetland

Lake

Other

Riverine

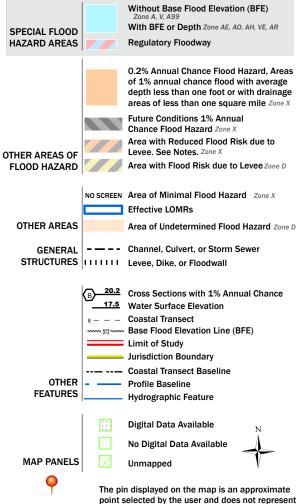
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Received by OCD: 3/28/2024 6:46:06 AM National Flood Hazard Layer FIRMette





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



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

an authoritative property location.

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.



2,000

OSE POD Location Map



Override 1 **GIS WATERS PODs**

Released to Imaging: 5/10/2024 2:02:14 PM

OSE District Boundary

Water Right Regulations

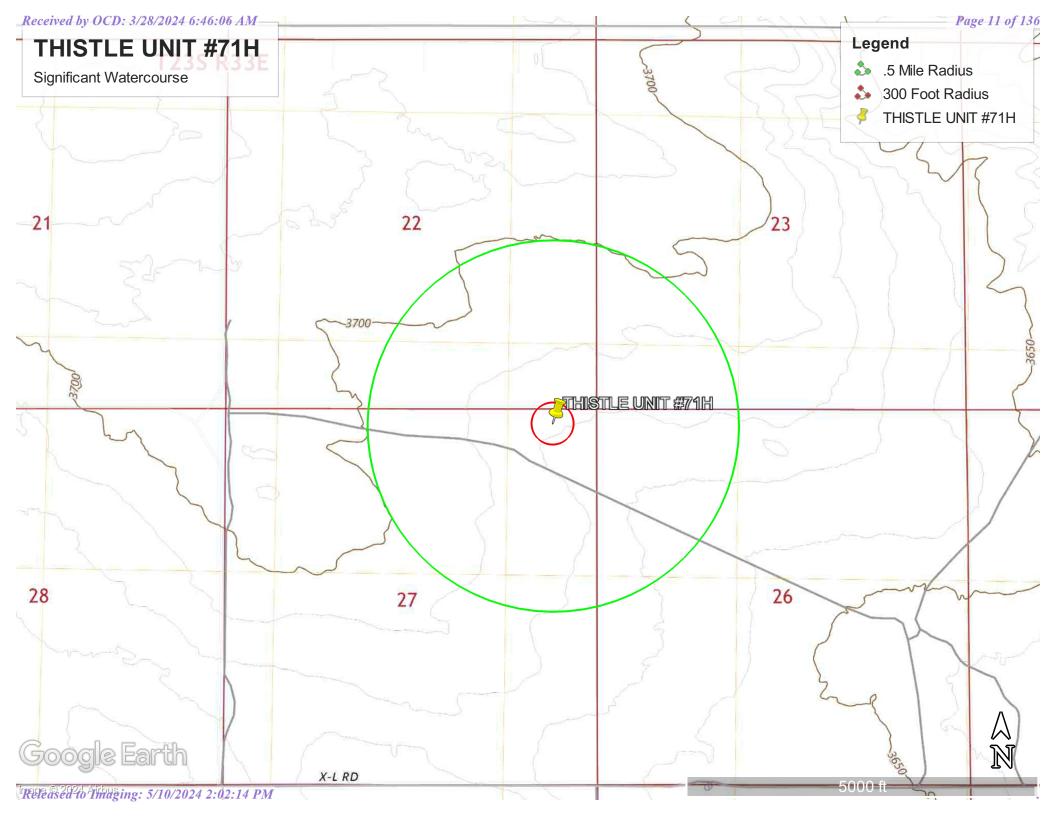
NHD Flowlines Artesian Planning Area New Mexico State Trust Lands

Stream River

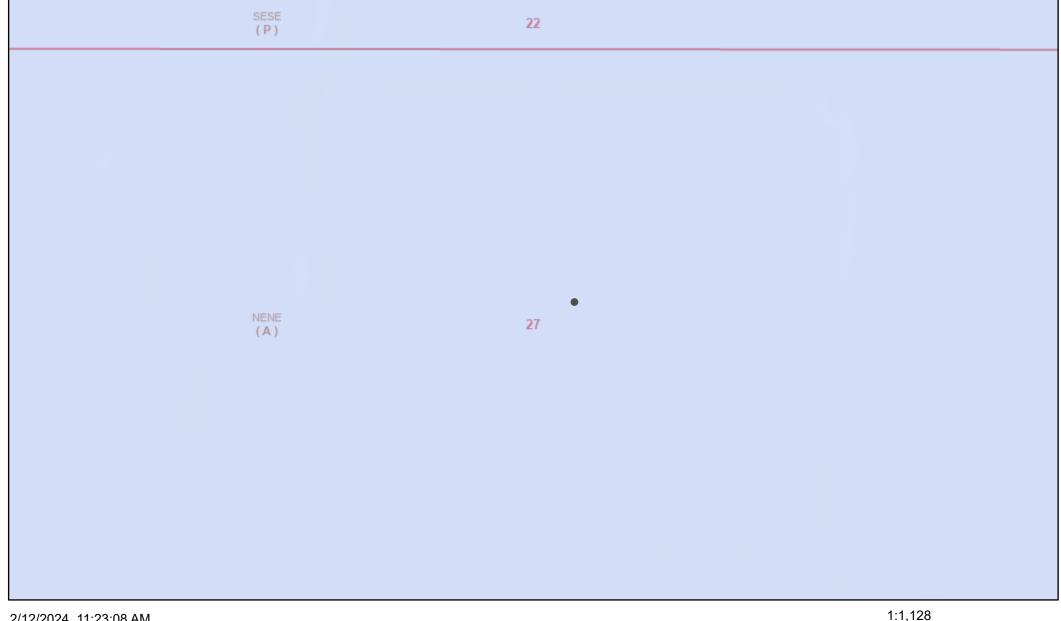
0.13 0.2 Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

GIS WATERS PODs Closure Area **Both Estates**

0.8 km



Site Characterization Map



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

Low

Karst Occurrence Potential

_ _ PLSS Second Division

PLSS First Division Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community,

OCD, Esri Community Maps Contributors, New Mexico State University, Texas

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Thistle Unit #071H
Devon Energy Production Company
Lea County, New Mexico

										TPH			
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	втех	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(it bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table	e I Closure Cri	teria for Soil 0	-50 feet Dep	th to Ground	water 19.15.	29 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					Verti	ical Delineation	on Samples				•		
	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
V-1	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
	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
V-2	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
	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
V-3	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
	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
V-4	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
	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
V-5	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
	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
V-6	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

										TPH			
Sample ID Sample Date	Sample Date	Depth Date	Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
	(ft bgs)	(mg/kg)	(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

NTGE Project Number: 248363 Page 2 of 2

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Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle Unit 71H
Devon Energy Production Company
Lea County, New Mexico

Released to Imaging: 5/10/2024 2:02:14 PM

										TPH			
Sample ID	Sample Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
•		(ft bgs)	(mg/kg)	(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
					Base	e Confirmation	on 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

NTGE Project Number: 248363

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	Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
·		(ft bgs)	(mg/kg)	(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:

Released to Imaging: 5/10/2024 2:02:14 PM

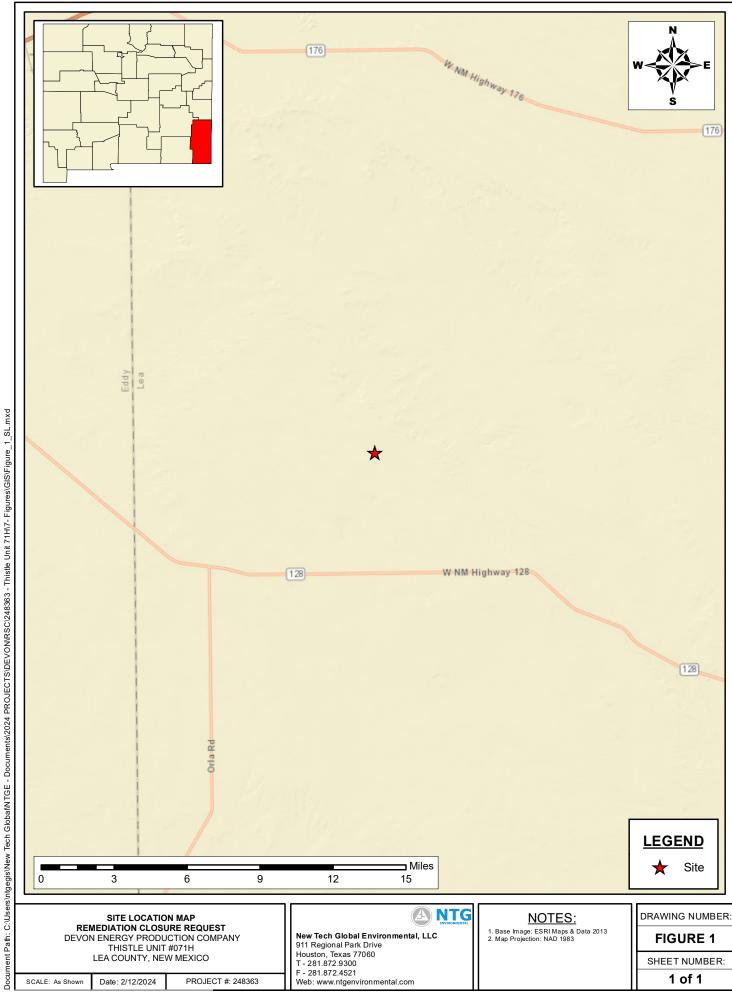
- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

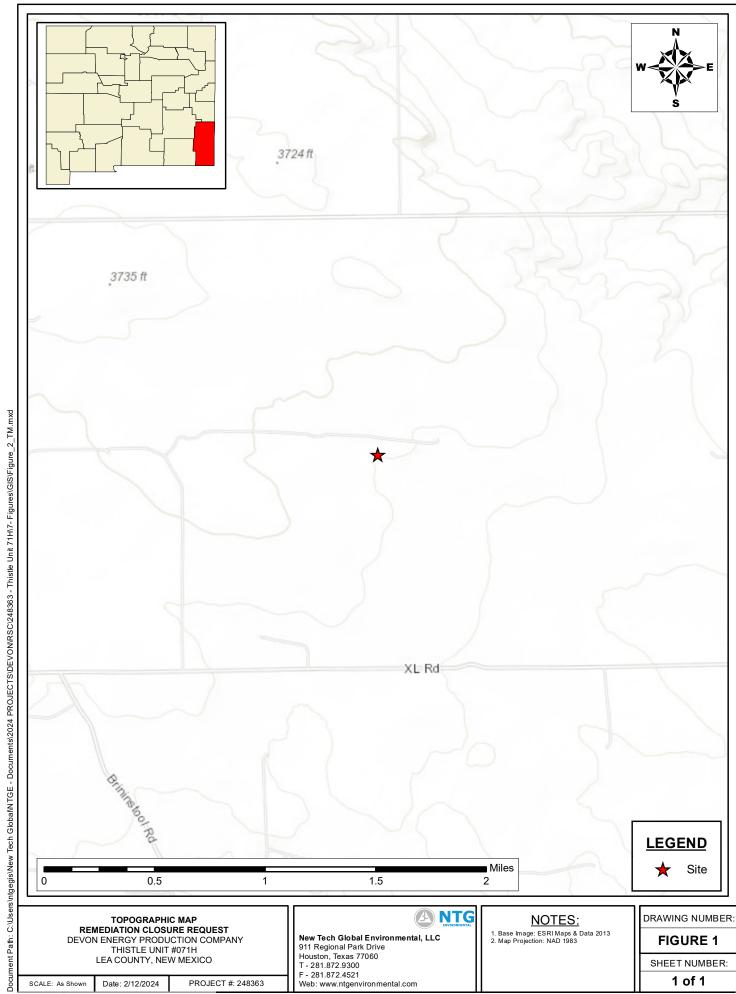
T. DIEX dilaiyses b	y LI / I IVICTIOU SVV GOZIE
SP-1	Sample Point Excavated

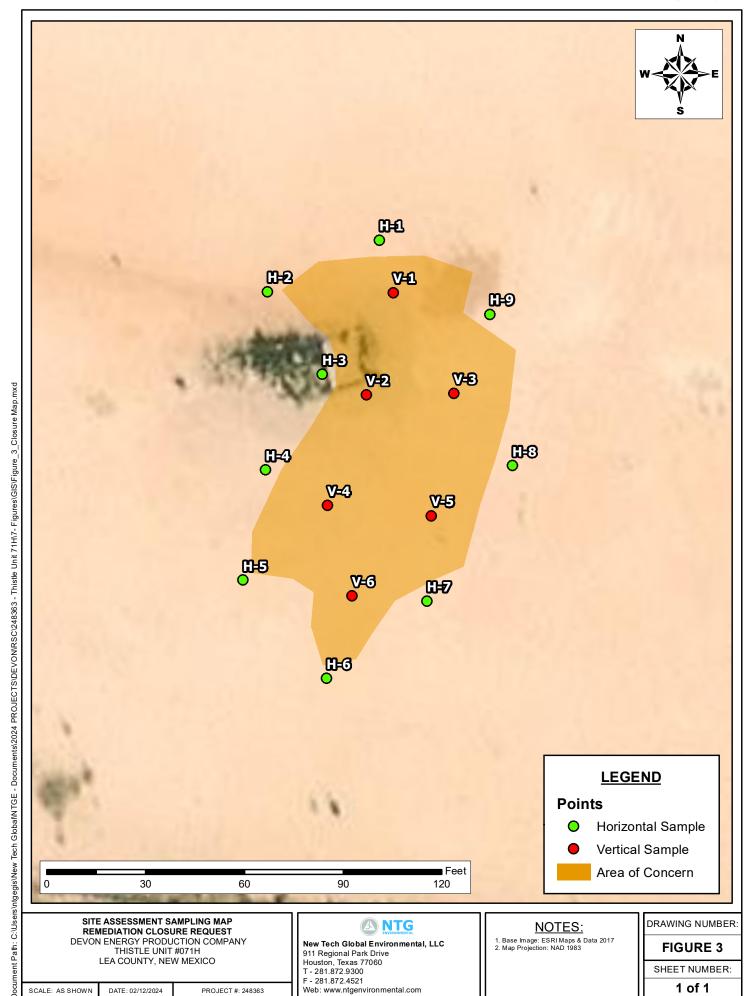
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- 9. --- Not Analyzed

NTGE Project Number: 248363 Page 2 of 2

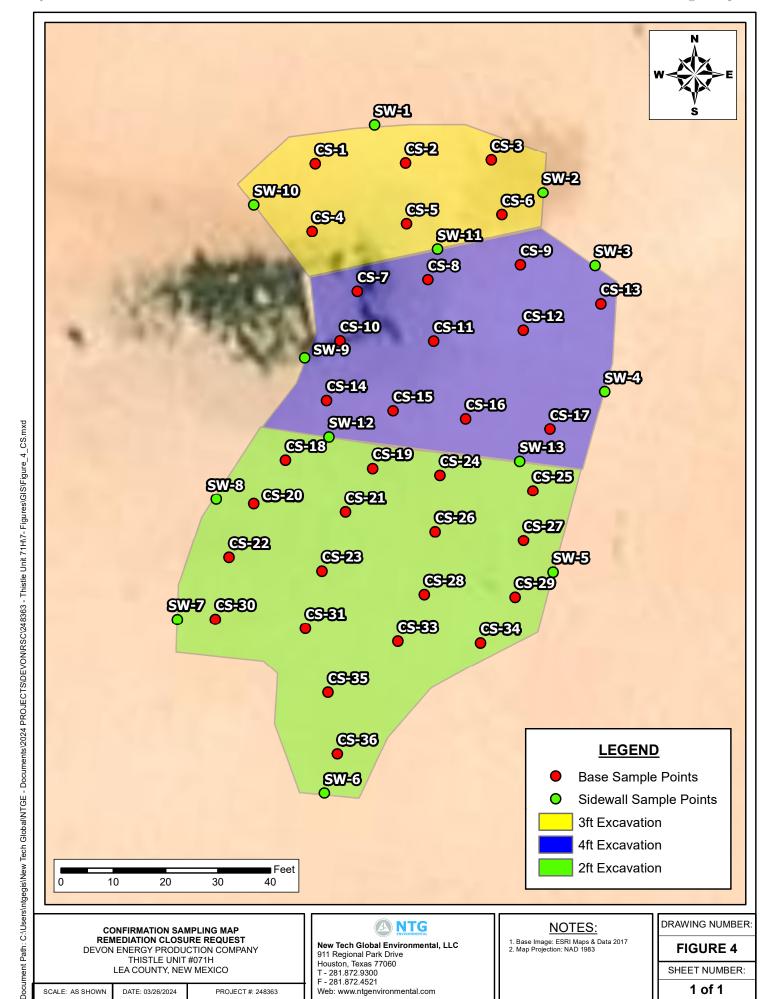
FIGURES







1 of 1

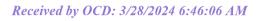


Web: www.ntgenvironmental.com

DATE: 03/26/2024

PROJECT #: 248363

SCALE: AS SHOWN



Page 23 of 136

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



Received by OCD: 3/28/2024 6:46:06 AM	Page 27 of 136
LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS	<u></u>



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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024 Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

A ... - b ... - d D. .. 711

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	0 102 % 71.5-134 mg/kg		4						
Chloride, SM4500Cl-B			Analyze	d 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	Analyze	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil Project Name: THISTLE UNIT 71H Sampling Condition: Coo

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

BIEX 8021B	тд/кд		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 % 71.5-13		4						
Chloride, SM4500CI-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	97.1.9		7						
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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

mg/kg

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

BTEX 8021B

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 % 71.5-13		4						
Chloride, SM4500Cl-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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	% 71.5-13	4						
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	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

mg/kg

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

BTEX 8021B

	979		7						
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 % 71.5-13		4						
Chloride, SM4500CI-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

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

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Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

DILX OUZID	mg/ kg		Analyzea by. 311						
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 % 71.5-1.		4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

mg/kg

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

BTEX 8021B

	9/	9	71.14.1, = 0	,					
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 % 71.5-13		4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene

Cardinal Laboratories

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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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 9	71.5-13	4						
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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	<u> </u>								
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

ma/ka

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

RTFY 8021R

B1EX 8021B	mg	/ kg	Analyze	а ву: ЈН					
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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	818	% 49.1-14	8						

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Celey D. Kreine



Analytical Results For:

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

Fax To:

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Fax To:

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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	% 71.5-13	4						
Chloride, SM4500CI-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	Analyze	ed 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9/	9	7	7: - 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9/	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9,	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Kreine



02/06/2024

Analytical Results For:

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

Received: 02/06/2024 Sampling Date:

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

DILX OUZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

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Celey D. Keine



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:

02/06/2024

mg/kg

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)

Received:

BTEX 8021B

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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	

Analyzed By: JH

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
 Sampling Date:
 02/06/2024

 Reported:
 02/12/2024
 Sampling Type:
 Soil

Reported: 02/12/2024 Sampling Type: Soil
Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez
Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.061	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey & Keene



02/06/2024

Analytical Results For:

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

Received: 02/06/2024 Sampling Date:

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

mg/kg

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

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

гах

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	70.3	% 49.1-14	8						

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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:

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)

Received:

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil
Project Name: THISTLE UNIT 71H Sampling Condition: Cool

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

B1EX 8021B	mg	/кд	Analyze	a By: JH					5-04
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	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.5	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



02/06/2024

Analytical Results For:

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

Sampling Date:

Received: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B

	9,	9	7	7: :					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Analytical Results For:

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

02/06/2024 Sampling Date: 02/06/2024 Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

Received:

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: DEVON - LEA CO., NM

mg/kg

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

BTEX 8021B

DILX GOZID	mg/	- Kg	Allulyzo	.u by. 511					
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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Analytical Results For:

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

Idx

ma/ka

Received: 02/06/2024 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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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 Sampling Date: 02/06/2024

Reported: 02/12/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

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

Celey D. Keene



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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Celeg D. Freene

Chain of Custody



ompany Name:

209 W McKay St

NTG Environmental

Bill to: (if different) Company Name

Devon Energy Dale Woodall

Program: UST/PST PRP rownfields RC

perfund

Work Order Comments

Page __

1__ of_4

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Work Order No: __ # 1240548

Page 42 of 45



City, State ZIP:

Carlsbad, NM 88220 209 W McKay St

City, State ZIP:

Artesia, NM 88210 6488 Seven Rivers Highway

Reporting:Level II Level III PST/UST

RRP

Level IV

State of Project:

Program: UST/PST PRP rownfields RC

perfund

Work Order Comments

of

(432) 701-2159

ompany Name: idress:

> NTG Environmental Ethan Sessums

> > Bill to: (if different)

Company Name

Devon Energy Dale Woodall

roject Manager:

Thisle Unit 71H Routine Lea Co, NM Kellan Smith TAT starts 1ab, if	☑ Rout ☐ Rout ☐ TAT state Iab	☑ Rout ☐ Due Da TAT state lab	Turn Around Turn Around Rush Rush Code Due Date: TAT starts the day received by the lab, if received by 4:30pm	Turn Around Turn Around Rush Rush Code Due Date: TAT starts the day received by 4:30pm lab, if received by 4:30pm	Turn Around Turn Around Rush Rush Due Date: TAT starts the day received by 4:30pm lab, if received by 4:30pm Pres. code Due Date: Rush Rush	Turn Around Rush Rush Code Due Date: TAT starts the day received by 4:30pm lab, if received by 4:30pm	Turn Around Routine Rush Due Date: TAT starts the day received by 4:30pm Bab, if received by 4:30pm Pres. Code Code Pres. Code Pres. Code Pres. Code Pres. Code ANALYSIS REQ ANALYSIS REQ
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Work Order No: #
8450tPH

Chain of Custody





Project Manager:

Dale Woodall

Work Order Comments

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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. Hiese terms will be employed and a charge of \$5 for each sample submitted to Xenco, but not analyzed.	arge of \$85.00 will be	applied to each p	project and a char	ge of \$5 for each	sample submitted	to Xenco, bu	It not ana	iyzed. III	ese isilis	WIII DE CII	Ol ced dille				21 II		5					
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Work Order No: __ # 1240548

Page 44 of 45

Chain of Custody



City, State ZIP:

NTG Environmental
209 W McKay St
Carlsbad, NM 88220

City, State ZIP:

6488 Seven Rivers Highway Artesia, NM 88210

Reporting:Level II Level III PST/UST

RRP

□Level IV □

Deliverables: EDD

ADaPT

State of Project:

Program: UST/PST PRP rownfields RC

perfund

Work Order Comments

of

Bill to: (if different)

Company Name:

Dale Woodall
Devon Energy

(432) 701-2159

ompany Name

5	3	Relinquished by: (Signature)	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.	Additional		H-9	H-8	H-7	H-6	H-5	H.4	H-3	H-2	포	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:
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	Alga	Received	es constitutes a v shall not assume oject and a char												Time	Corrected Temperature	Temperature Reading:	Correction Factor:	Thermometer ID	Yes No					
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		e)		3		39	8	3	36	200	400	2.2	S	3	Sample	NaOH+Ascor	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H₃PO₄: HP	H_2SO_4 : H_2	HCL: HC	Cool: Cool	None: NO	Preser
		Date/Time						*							Sample Comments	NaOH+Ascorbic Acid: SAPC	laOH: Zn	SO ₃	BIS		NaOH: Na	HNO ₃ : HN	MeOH: Me	DI Water: H ₂ O	Preservative Codes

Work Order No: #
\$400x



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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 03/22/2024
 Sampling Date:
 03/22/2024

 Reported:
 03/26/2024
 Sampling Type:
 Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

DEVON - LEA CO., NM

Project Number: 248363 Sample Received By: Tamara Oldaker

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

Project Location:

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreene



Analytical Results For:

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

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

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

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.3	% 49.1-14	8						

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Tamara Oldaker

Sample Received By:

Analytical Results For:

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

Fax To:

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil
Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Name: THISTLE UNIT 71H
Project Number: 248363

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 248363 Sample Received By:

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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Sample Received By:

03/22/2024

Tamara Oldaker

Analytical Results For:

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

Received: 03/22/2024 Sampling Date:

Reported: 03/26/2024 Sampling Type: Soil
Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Number: 248363

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.8	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

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

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit 0.050 0.050 0.050 0.150 0.300	Analyzed 03/22/2024 03/22/2024 03/22/2024 03/22/2024	Method Blank ND ND ND ND ND	BS 1.82 1.92 1.90	% Recovery 91.1 95.8 94.8	True Value QC 2.00 2.00 2.00	2.48 2.98	Qualifier
<0.050 <0.050 <0.150	0.050 0.050 0.150	03/22/2024	ND ND	1.92	95.8	2.00	2.98	
<0.050 <0.150	0.050 0.150	03/22/2024	ND					
<0.150	0.150			1.90	94.8	2.00	2.07	
		03/22/2024	ND				2.97	
<0.300	0.300			5.75	95.9	6.00	3.02	
		03/22/2024	ND					
111 9	% 71.5-13	4						
mg,	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/22/2024	ND	186	92.9	200	0.554	
<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
<10.0	10.0	03/22/2024	ND					
95.2	% 48.2-13	4						
93.5	% 49.1-14	8						
	Result <16.0 mg/ Result <10.0 <10.0 <10.0 <95.2	## 71.5-13 mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 48.2-13	71.5-134 mg/kg Analyzed Result Reporting Limit Analyzed Result Reporting Limit Analyzed <10.0	71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed ND • *** *** *** *** *** *** *** *** *** *	111 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed ND 432 Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	1111 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed ND 432 108 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	1111 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed ND 432 108 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0 10.0 03/22/2024 ND 186 92.9 200	1111 % 71.5-134 mg/ky Analyzed By: AC Result Reporting Limit Analyzed ND 432 108 400 0.00 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0 10.0 03/22/2024 ND 186 92.9 200 0.554 <10.0 10.0 03/22/2024 ND 195 97.4 200 0.101 <10.0 10.0 03/22/2024 ND ND

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	18						

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Celey D. Keine



Analytical Results For:

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

Fax To:

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

ma/ka

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

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 03/22/2024	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	03/22/2024						-
<0.050			ND	1.82	91.1	2.00	2.48	
	0.050	03/22/2024	ND	1.92	95.8	2.00	2.98	
<0.050	0.050	03/22/2024	ND	1.90	94.8	2.00	2.97	
<0.150	0.150	03/22/2024	ND	5.75	95.9	6.00	3.02	
<0.300	0.300	03/22/2024	ND					
111 9	6 71.5-13	4						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/22/2024	ND	186	92.9	200	0.554	
<10.0	10.0	03/22/2024	ND	195	97.4	200	0.101	
<10.0	10.0	03/22/2024	ND					
98.6	% 48.2-13	4						
98.3	% 49.1-14	8						
	<0.050 <0.150 <0.300 111 % mg/ Result <16.0 mg/ Result <10.0 <10.0 <98.6 %	<0.050 0.050 <0.150 0.150 <0.300 0.300 111 % 71.5-13 mg/ky Result Reporting Limit <16.0 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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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	Analyze	d 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 9	6 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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03/22/2024

Analytical Results For:

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

Received: 03/22/2024 Sampling Date:

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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*	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

Analyte Result Reporting Limit Analyzed Method Blank BS Benzene* <0.050 0.050 03/22/2024 ND 1.82 Toluene* <0.050 0.050 03/22/2024 ND 1.92	% Recovery 91.1 95.8 94.8	True Value QC 2.00 2.00	RPD 2.48	Qualifier
, , ,	95.8		2.48	
Toluene* <0.050 0.050 03/22/2024 ND 1.92		2.00		
	94 8		2.98	
Ethylbenzene* <0.050 0.050 03/22/2024 ND 1.90	5 1.0	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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Analytical Results For:

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

Fax To:

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 %	71.5-13	4						
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	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	18						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 248363 Sample Received By:

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	71.5-13	4						
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	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 248363 Sample Received By:

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	18						

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03/22/2024

Analytical Results For:

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

Sampling Date:

Received: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	14						
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	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	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	98.0	% 49.1-14	18						

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03/22/2024

Analytical Results For:

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

Received: 03/22/2024 Sampling Date:

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: DEVON - LEA CO., NM

ma/ka

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

RTFY 8021R

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	31EX 8021B	тд/кд		Anaiyze	Analyzed By: JH					
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 7.48 125 6.00 6.44 Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134 Chloride, SM450OCI-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 03/25/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 03/22/2024 ND 432 108 400 0.00 TPH 8015M ng/ky Analyzed By: ms Analyte Result Reporting Limit Analyzed Nethod Blank BS % Recovery True Value QC RPD 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-Chloroctane 94.3 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 03/02/2024 ND Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 03/25/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 182 91.0 200 1.39 EXT DRO >C28-C36 <10.0 10.0 03/22/2024 ND	Benzene*	<0.050	0.050	03/22/2024	ND	2.24	112	2.00	7.30	
Total Xylenes* <0.150 0.150 03/22/2024 ND 7.48 125 6.00 6.44 Total BTEX <0.300	Toluene*	<0.050	0.050	03/22/2024	ND	2.35	117	2.00	7.21	
Total BTEX <0.300 0.300 03/22/2024 ND Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 03/25/2024 ND 432 108 400 0.00 TPH 8015M mg/ky Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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 48.2-134 48.2-134 ND 182 91.0 20 1.39	Ethylbenzene*	<0.050	0.050	03/22/2024	ND	2.52	126	2.00	6.60	
Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: CT Analyte Result Reporting Limit Analyzed ND 432 Method Blank BS Recovery True Value QC RPD Chloride <16.0 16.0 03/25/2024 ND 432	Total Xylenes*	<0.150	0.150	03/22/2024	ND	7.48	125	6.00	6.44	
Chloride, SM4500Cl-B mg/kg Analyzed By: CT Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0	Total BTEX	<0.300	0.300	03/22/2024	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 03/25/2024 ND 432 108 400 0.00 TPH 8015M	Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
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 GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyzed By: CT						
TPH 8015M mg/kg Analyzed By: ms Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 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	Chloride	<16.0	16.0	03/25/2024	ND	432	108	400	0.00	
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	TPH 8015M	mg	/kg	Analyzed By: ms						
DRO >C10-C28*	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 03/22/2024 ND Surrogate: 1-Chlorooctane 94.3 % 48.2-134	GRO C6-C10*	<10.0	10.0	03/22/2024	ND	203	102	200	0.132	
Surrogate: 1-Chlorooctane 94.3 % 48.2-134	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-Chlorooctadecane 94.1 % 49.1-148	Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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03/22/2024

Soil

Analytical Results For:

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

Sampling Date:

Sampling Type:

Received: 03/22/2024 Reported: 03/26/2024

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Project Number: Sample Received By: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.5	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg		Analyze	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	% 71.5-13	4						
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	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	18						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg Anal		Analyze	zed 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 9	% 71.5-13	4						
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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/kg A		Analyze	lyzed 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	% 71.5-13	4						
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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
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	03/25/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Sample Received By:

Tamara Oldaker

Analytical Results For:

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

03/22/2024 Sampling Date: 03/22/2024 Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Number: 248363

Project Location: DEVON - LEA CO., NM

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

Received:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 03/22/2024 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.8	% 49.1-14	8						

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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
 Sampling Date:
 03/22/2024

 Reported:
 03/26/2024
 Sampling Type:
 Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact

Project Number: 248363 Sample Received By: Tamara Oldaker
Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d 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	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Analytical Results For:

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

248363

03/22/2024 Reported: 03/26/2024

Project Name: THISTLE UNIT 71H

Project Location: DEVON - LEA CO., NM Sampling Date: 03/22/2024

Sampling Type: Soil

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

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

Received:

Project Number:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	18						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.6	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.4	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.1	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact Sample Received By: Project Number: 248363 Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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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 Sampling Date: 03/22/2024

Reported: 03/26/2024 Sampling Type: Soil

Project Name: THISTLE UNIT 71H Sampling Condition: Cool & Intact
Project Number: 248363 Sample Received By: Tamara Oldaker

Project Location: DEVON - LEA CO., NM

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

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

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

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

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

QUESTIONS

Action 327558

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe. NM 87505

QUESTIONS, Page 2

Action 327558

Phone:(505) 476-3470 Fax:(505) 476-3462		
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 (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.	
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required cases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface int does not relieve the operator of responsibility for compliance with any other federal, state, or	
	Name: Dale Woodall	

Title: EHS Professional

Date: 03/28/2024

Email: Dale.Woodall@dvn.com

I hereby agree and sign off to the above statement

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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 3

Action 327558

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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 ar	nd 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	n 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 extent	ts 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	y delineated Yes
Was this release entirely contained within a lined containment	area No
Soil Contamination Sampling: (Provide the highest observable va	alue 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 rep which includes the anticipated timelines for beginning and completing the r	ort includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, 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 reclaim	imed 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 reme	ediated 697
These estimated dates and measurements are recognized to be the best gue	ess 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 r	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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 327558

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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@dvn.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)

On anatom	OODID:
Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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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QUESTIONS, Page 6

Action 327558

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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.

Name: Dale Woodall
Title: EHS Professional
Email: Dale.Woodall@dvn.com
Date: 03/28/2024

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QUESTIONS, Page 7

Action 327558

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	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