

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: _____

Date of Spill: _____

Site Soil Type: _____

Average Daily Production: _____ BBL Oil _____ BBL Water

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	20 ft	X	10 ft	X	2 in	100%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity _____ 0.15 gal per gal

Saturated Soil Volume Calculations:

		<u>H2O</u>	<u>OIL</u>
Area #1	200 sq. ft.	cu. ft.	33 cu. ft.
Area #2	0 sq. ft.	cu. ft.	cu. ft.
Area #3	0 sq. ft.	cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	200 sq. ft.	cu. ft.	33 cu. ft.

Estimated Volumes Spilled

	<u>H2O</u>	<u>OIL</u>
Liquid in Soil:	0.0 BBL	0.9 BBL
Liquid Recovered :	0.0 BBL	0.0 BBL
Spill Liquid	0.0 BBL	0.9 BBL
Total Spill Liquid:	<u>0.9</u>	

Recovered Volumes

Estimated oil recovered: 0.0 BBL
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravelly Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	



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Carlsbad, New Mexico 88220
Tel. 432.701.2159
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May 13, 2024

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

**Re: Deferral Request Report
 Thistle Unit 44H CTB 1
 Devon Energy Production Company
 Site Location: Unit N, S33, T23S, R33E
 Lea County, New Mexico
 Incident ID: nAPP2305130549**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment, remedial action, and sampling activities at the Thistle Unit 44H CTB (Site) for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico. The Site is in Unit Letter N, Section 33, of Township 23 South and Range 33 East in Lea County, New Mexico. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the initial C-141 (Incident ID: nAPP2305130549) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 19th, 2023. The release was a result of equipment failure which resulted in the release of approximately sixteen (16) barrels (bbls) of crude oil of which twelve (12) bbls were recovered for a net loss of four (4) bbls. Upon discovery, the well was shut-in, and the area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Site Characterization

In addition, based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is no water source within a ½-mile radius of the Site. The nearest identified well is located approximately 0.28 miles Southwest of the Site in Sec 33 T23S R33E. The well was drilled in 2023 to the reported depth of 101 feet below ground surface (ft bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. The site is located within a low karst area. A copy of the site characterization information and the associated NMOSE summary report is attached.

Regulatory Criteria

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

General Site Characterization and Groundwater:

**Creating a Better Environment
For Oil & Gas Operations**

Mr. Mike Bratcher
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Site Characterization	Average Groundwater Depth (ft)
Low Karst	>101

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment

On June 7th, 2023, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site. A total of two (2) vertical sample points (V-1 and V-2) and four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0 – 3.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. The samples were analyzed BTEX by EPA method 8260B, TPH by method 8015B Modified, and chloride by EPA 4500 Cl-B by Cardinal Laboratories in Hobbs, New Mexico. The analytical results indicated that chloride and/or TPH concentrations exceeded the NMOCD regulatory limits in the areas of V-1 and V-2 at various depths in the range from 0 ft bgs to 1.5 ft bgs with BTEX exceeding in V-1. Analytical results are included in Table 1 and sampling locations are shown in Figure 4. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the back of the report.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release areas of V-1 through V-2 were excavated to four (4) ft bgs based on the delineation samples results shown in Table 1. Additional impacted areas caused by both releases nAPP2314547818 and nAPP2201362323 were excavated based on the information provided by Devon after the initial assessment was completed by a different environmental consultant (Wescom). The associated proposed excavation map is attached to the Figures. The complete excavation map overview is shown in Figure 5.

On July 19th, 2023, NTGE was onsite to collect sixty-five (65) confirmation samples (CS-1 to CS-65) from the base of the excavation as well as twenty-five (25) confirmation side wall samples (SW-1 to SW-25). The confirmation samples were collected every 200 square feet 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. Initial confirmation samples were collected on July 19th, 2023. Laboratory analytical results indicate that all confirmation samples were above NMOCD regulatory criterion from Table I, Closure Criteria for chloride and/or TPH with the exception of samples CS-10, CS-12, CS-16, CS-19, CS-26, CS-28, CS-34, CS-41, CS-43, CS-4, CS-48, CS-54, CS-56 to CS-58, CS-61 to CS-63, SW-3, SW-4, SW-14, SW-22, and SW-23.

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After further excavation, on August 1st, 2023, NTGE was on site to collect forty-five (25) confirmation bottom samples (CS-1 through CS-9, CS-11, CS-13 to CS-18, CS-20 to CS-25, CS-27 to CS-29, CS-31 to CS-33, CS-35, CS-37 to CS-40, CS-42, CS-45 to CS-47, CS-49 to CS-53, CS-55, CS-59, CS-60, CS-64 and CS-66) and eighteen (18) sidewall samples (SW-1A, SW-2A, SW-5A to SW-13A, SW-15A to SW-21A, and SW-24A) and submitted for BTEX, TPH, and chloride analysis. Analytical results indicated that all bottom hole confirmation samples were below NMOCD standards, while sidewall samples SW-1A, SW-7A, SW-13A, SW-15A to SW-18A, SW-20A, and SW-24A exceed either NMOCD standards for TPH or chloride.

After further excavation on August 3rd and 4th, 2023, NTGE was on site to collect fifteen (15) bottom hole samples (CS-30, and CS-67 to CS-80) along with twenty (20) sidewall samples (SW-26 to SW-41. And SW-43 to SW-46) and analyzed for BTEX, TPH, and chloride. All samples were below NMOCD for analytes.

On August 30th, 2023, NTGE was onsite to collect twenty-seven (27) bottom hole samples (CS-66, CS-81 to CS-106) and five (5) sidewall samples (SW-1B, SW-7B, SW-42, SW-47 and SW-48) and was analyzed for BTEX, TPH, and chloride. All samples were below NMOCD standard for analytes. Final confirmation samples collected on August 30th, 2023, indicate that impacted soils were removed from all impacted areas except the areas of SW-26 through SW-39. All other confirmation samples were below NMOCD regulatory criterion for the site. Areas of SW-26 through SW-39 are in a close proximity to the facility infrastructure and cannot be expanded any further according to the Devon personnel.

Complete analytical results for all confirmation samples are presented in Table 3 and the final excavation map with confirmation sample locations is shown in Figures 6 and 7.

On September 28th, 2023, and November 10th, 2023, NTGE was on site to collect five (5) vertical delineation samples (V-1 through V-5) in 0.5 to 5 ft depth intervals from depths ranging from 0 – 8.5 ft bgs with a geotechnical hand auger in the areas that could not be reached with any excavation machinery. Samples V-1, V-3, V-4, and V-5 were delineated. Laboratory results of these samples are presented in Table 1 and their locations are shown in Figure 3.

Deferral Request

Devon personnel have expressed that the excavation areas SW-26 through SW-39 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., pumpjack, wellhead and adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is visible on Figure 3. On behalf of Devon, NTGE formally requests a deferral for incident nAPP2305130549 to address the remaining soil impacts (SW-26 through SW-39) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date. The release notification, site assessment/characterization, remediation plan, and closure/deferral portion of form C-141 are attached to the front of this report.

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

Sincerely,
NTG Environmental

Mr. Mike Bratcher
May 13, 2024
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Ethan Sessums
Project Manager

Attachments:

Initial C-141
Tables
Figures
Site Characterization Information
Photographic Log
Laboratory Reports and Chain-of-Custody

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

Thistle 44H CTB

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	>101	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)	>2680	National Wetlands Inventory (NWS)

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

* - numerical limit or background, whichever is greater

OSE POD Locations Map



7/24/2023, 12:14:59 PM

GIS WATERS PODs

● Active

□ OSE District Boundary

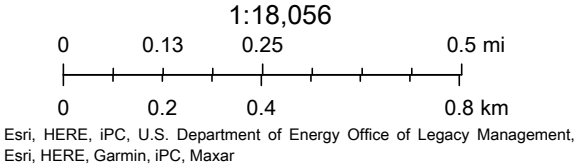
Water Right Regulations

□ Closure Area

New Mexico State Trust Lands

□ Both Estates

□ SiteBoundaries





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4707			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15	SECONDS 14.18	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	35	1.32	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW SW SW Sec.33 T23S R33E NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 4/11/23	DRILLING ENDED 4/12/23	DEPTH OF COMPLETED WELL (FT) Temporary Well Material		BORE HOLE DEPTH (FT) ±101	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 4/18/2023		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	101	±6.25	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4707	POD NO. 1	TRN NO. 742696
LOCATION 235. 336.33 4 3 3	WELL TAG ID NO. NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL.	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, fine-grained, poorly graded with caliche, Tan	Y ✓ N	
	9	50	41	Sand, fine-grained, poorly graded, cemented layers, Tan	Y ✓ N	
	50	65	15	Sand, very fine-grained, poorly graded, Tan / Brown	Y ✓ N	
	65	101	36	Clay, Stiff, consolidated, with fine silt, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 41 Thistle Unit #043					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4707	POD NO. 1	TRN NO. 742696
LOCATION 235.336.33.4 33		WELL TAG ID NO. M7

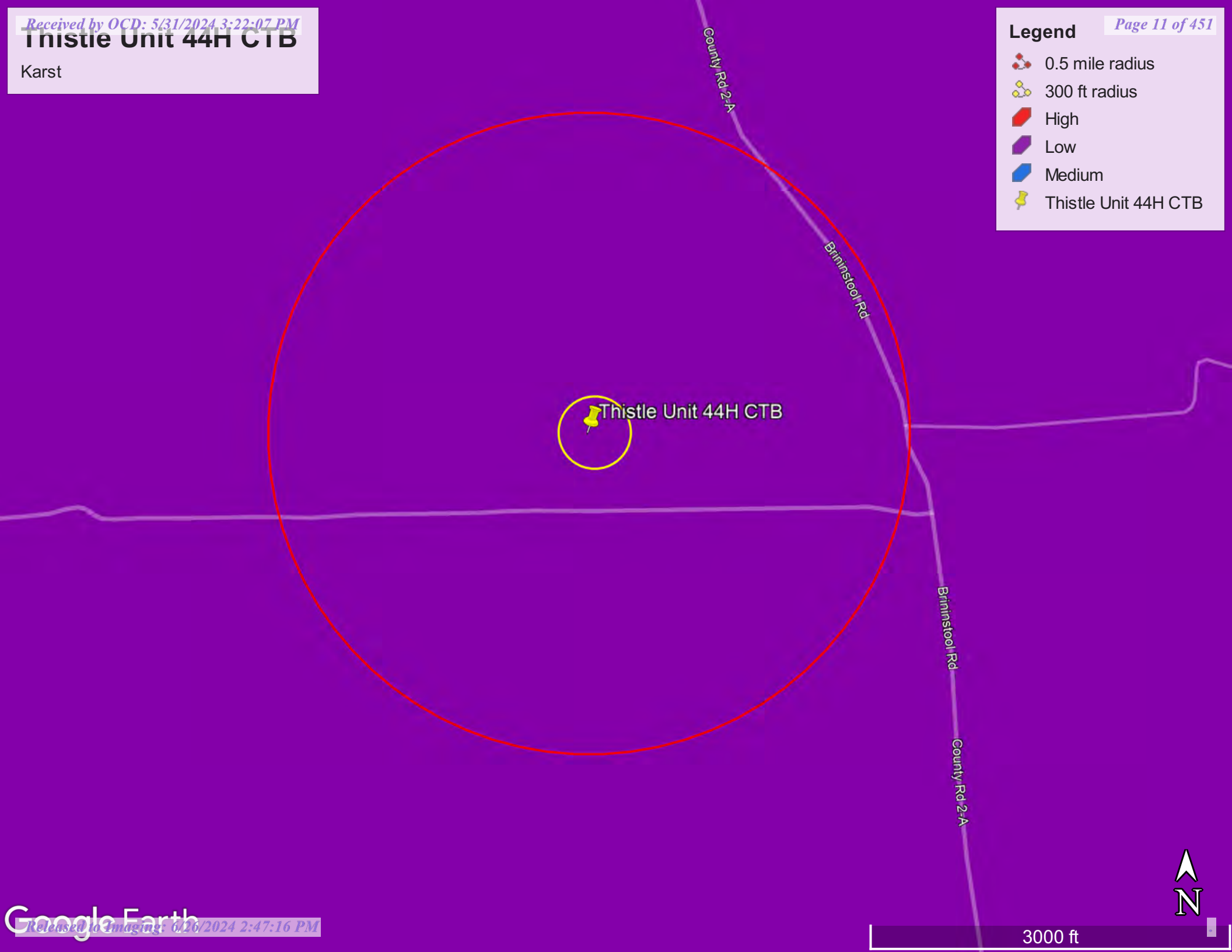
PAGE 2 OF 2

Thistle Unit 44H CTB

Karst

Legend

-  0.5 mile radius
-  300 ft radius
-  High
-  Low
-  Medium
-  Thistle Unit 44H CTB





Thistle Unit 44H CTB


Significant Watercourse

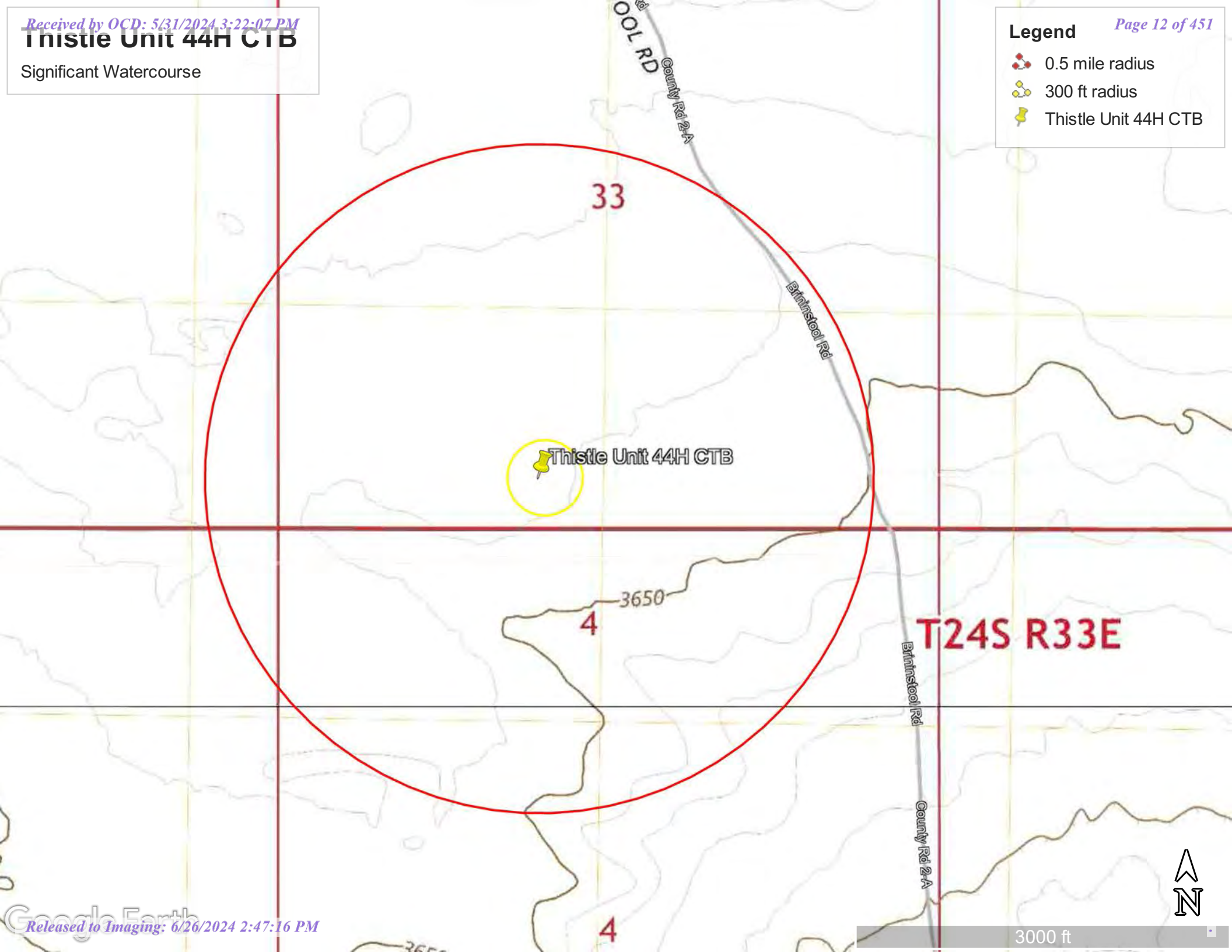
Legend

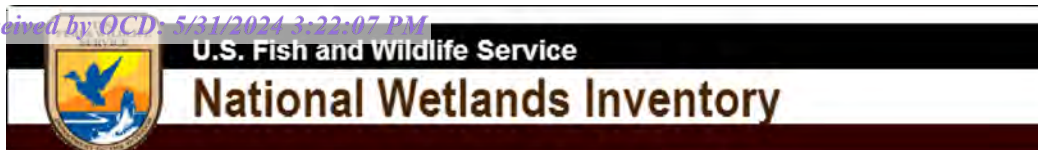
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 0.5 mile radius

 300 ft radius

 Thistle Unit 44H CTB





Thistle unit 44H CTB



July 24, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

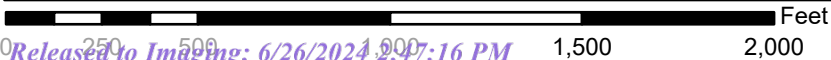
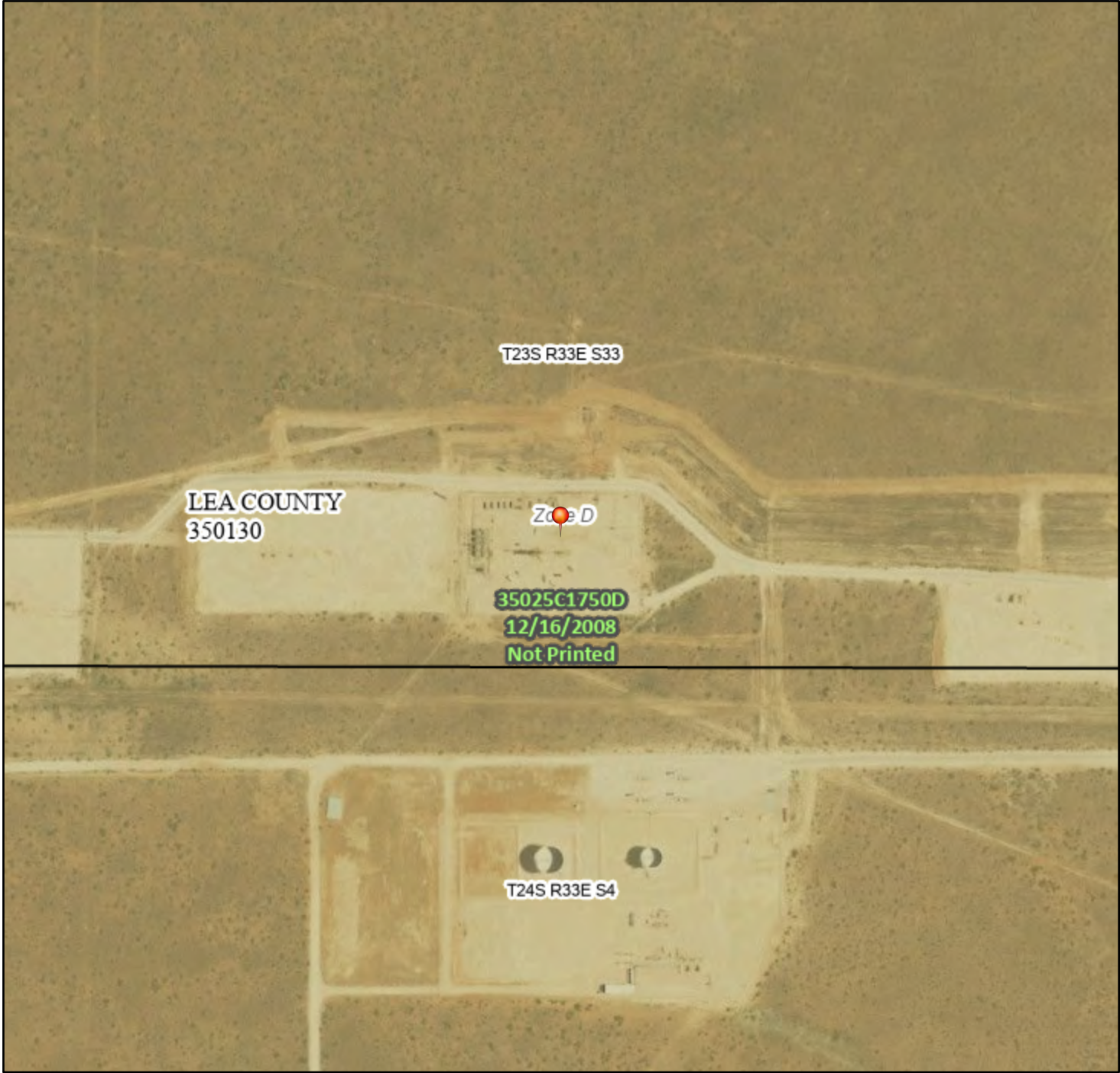
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°35'4"W 32°15'33"N



1:6,000

103°34'26"W 32°15'3"N

Released to Imaging: 6/26/2024 2:47:16 PM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/24/2023 at 1:52 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.



National Water Information System: Mapper



Thistle Unit 44H CTB

Distance to well

Legend

- 0.28 mile
- 0.5 mile radius
- 3.3 Miles
- 300 ft radius
- Feature 1

USGS 700FT 1976

Thistle Unit 44H CTB

OSE 040707 Pod



2 mi

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Thistle 44H CTB 1 - nAPP2201362323
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg	
Deferral Samples														
V-1	9/28/2023	0-0.5'	2.58	17.8	5.63	37.1	63.1	999	6,480	7,479	1,510	8,989	160	
	9/28/2023	1-1.5'	4.33	53	18.7	80.8	157	1,640	3,760	5,400	764	6,164	320	
	9/28/2023	2-2.5'	1.65	21.9	9.06	41	73.6	658	1,720	2,378	347	2,725	320	
	9/28/2023	3-3.5'	4.34	39.3	15.5	73.6	133	1,330	2,930	4,260	45	4,305	80	
	9/28/2023	4-4.5'	0.877	12.4	7.64	41.2	62.1	1,250	3,240	4,490	521	5,011	48	
	11/10/2023	5-5.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
	11/10/2023	6-6.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
	11/10/2023	7-7.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
V-2	11/10/2023	8-8.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
	9/28/2023	0-0.5'	<0.050	0.064	<0.050	<0.150	0.064	<10.0	77.6	77.6	11.3	88.9	272	
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.3	25.3	<10.0	25.3	64	
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352	
V-3	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
	9/28/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,290	1,290	326	1,616	512	
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	920	920	241	1,161	688	
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.9	42.9	<10.0	42.9	2,800	
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.3	13.3	<10.0	13.3	672	
V-4	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3320	
	9/28/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	18.8	<10.0	18.8	304	
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,230	
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840	
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060	
V-5	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1550	
	9/28/2023	0-0.5'	<0.050	1.31	3.27	16.7	21.3	452	4,740	5,192	801	5,993	2,120	
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	146	146	22.2	168.2	528	
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
V-5	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400	
	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- SP-1 Sample Point Excavated

- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 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).
- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg	
Confirmation Base Samples														
CS-1	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,090	2,090	497	2,587	240	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.5	34.5	<10.0	34.5	160	
CS-2	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	926	926	170	1,096	400	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000	
CS-3	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	379	379	73	452	112	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-4	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,140	2,140	599	2,739	704	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-5	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	422	422	64	486	144	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-6	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	247	247	47.7	294.7	128	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-7	7/19/2023	2.5'	<0.050	0.170	0.146	0.989	1.31	33.2	1,350	1,383.2	252	1,635.2	48	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-8	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	329	329	108	437	80	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-9	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	290	290	59.2	349.2	48	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-10	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-11	7/19/2023	2.5'	<0.050	0.310	0.374	2.95	3.64	66.9	3,580	790	4,370	5,160	256	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-12	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.3	13.3	<10.0	13.3	128	
CS-13	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	166	166	39.6	205.6	1,020	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
CS-14	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	915	915	183	1,098	864	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600	
CS-15	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	473	473	83.5	556.5	1,880	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
CS-16	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.8	29.8	<10.0	29.8	96	
CS-17	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	436	436	80.9	516.9	1,420	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140	
CS-18	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,750	1,750	401	2,151	1,660	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
CS-19	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
CS-20	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19	19	<10.0	19.0	864	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
CS-21	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	129	129	18.5	147.5	816	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-22	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	638	638	163	801	3,040	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
CS-23	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	912	912	226	1,138	2,720	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,100	
CS-24	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832	

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		20,000 mg/kg
CS-24	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,800	
CS-25	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,890	2,890	768	3,658	960	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070	
CS-26	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-27	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	628	628	142	770	64	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
CS-28	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.9	44.9	<10.0	44.9	224	
CS-29	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.9	16.9	<10.0	16.9	1,800	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
CS-30	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.4	12.4	<10.0	12.4	5,200	
	8/4/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
CS-31	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.5	25.5	<10.0	25.5	4,240	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-32	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	169	169	27	196	352	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	177	177	58.4	235.4	160	
CS-33	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.5	80.5	15.3	95.8	976	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
CS-34	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.4	47.4	<10.0	47.4	592	
CS-35	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	583	583	239	822	432	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
CS-36	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.3	44.3	<10.0	44.3	496	
CS-37	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.9	13.9	<10.0	13.9	1,300	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150	
CS-38	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,280	1,280	381	1,661	4,800	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
CS-39	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.7	12.7	<10.0	12.7	864	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
CS-40	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	57.8	57.8	<10.0	57.8	1,570	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
CS-41	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69	69	<10.0	69	448	
CS-42	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	832	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
CS-43	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.5	33.5	<10.0	33.5	400	
CS-44	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.9	52.9	<10.0	52.9	320	
CS-45	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,760	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688	
CS-46	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.8	56.8	<10.0	56.8	1,810	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912	
CS-47	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	77.9	77.9	15.6	93.5	1,070	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
CS-48	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
CS-49	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-50	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,640	

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
CS-50	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS-51	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,340
CS-52	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	992
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,960
CS-53	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.3	52.3	<10.0	52.3	1,760
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,040
CS-54	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS-55	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.8	60.8	10.5	71.3	976
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
CS-56	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-57	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.9	14.9	<10.0	14.9	864
CS-58	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	607	607	231	838	3,360
CS-59	7/19/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.8	23.8	<10.0	23.8	1,720
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.3	31.3	<10.0	31.3	752
CS-60	7/19/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,640
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
CS-61	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	336
CS-62	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,010
CS-63	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS-64	7/19/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.9	22.9	<10.0	22.9	1,550
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
CS-65	7/19/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	173	173	47.9	220.9	336
	8/1/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	234	234	41	275	560
CS-66	7/19/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	935	935	221	1,156	864
	8/1/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	71.1	71.1	28.4	99.5	1,920
	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	218	218	87.3	305.3	180
CS-67	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,410
CS-68	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,020
CS-69	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600
CS-70	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-71	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
CS-72	8/3/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-73	8/3/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-74	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-75	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-76	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-77	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-78	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	11.7	<10.0	11.7	16.0
CS-79	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-80	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.9	55.9	17.6	72.5	16.0
CS-81	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.3	26.3	<50.0	26.3	174
CS-82	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	28.7	28.7	<50.0	28.7	183
CS-83	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	142

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
CS-84	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	202
CS-85	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	179
CS-86	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	202
CS-87	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	25.4	25.4	<50.0	25.4	208
CS-88	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	169
CS-89	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.5	26.5	<50.0	26.5	201
CS-90	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.6	27.6	<50.0	27.6	194
CS-91	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.7	27.7	<50.0	27.7	192
CS-92	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.4	26.4	<50.0	26.4	192
CS-93	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	30	30	<50.0	30	167
CS-94	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	159
CS-95	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	36.4	36.4	<50.0	36.4	205
CS-96	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	197
CS-97	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
CS-98	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	137
CS-99	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	149
CS-100	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	425
CS-101	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	328
CS-102	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	470
CS-103	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	23.3
CS-104	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	105
CS-105	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	35.5	35.5	<50.0	35.5	199
CS-106	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	157
Confirmation Sidewall Samples													
SW-1	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	4,170	4,170	1,440	5,610	1,220
SW-1A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
SW-1B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	213
SW-2	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	115	115	29	144	64
SW-2A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.3	14.3	<10.0	14.3	128
SW-3	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16	16	<10.0	16	144
SW-4	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.8	20.8	<10.0	20.8	240
SW-5	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	235	235	36.2	271.2	48
SW-5A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-6	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	288	288	108	396	240
SW-6A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-7	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	210	210	56.4	266.4	1,120
SW-7A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,420
SW-7B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	37.9	37.9	<50.0	37.9	172
SW-8	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,460	2,460	595	3,055	4,320
SW-8A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-9	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	799	799	271	1,070	2,320
SW-9A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-10	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	138	138	79.7	217.7	1,220
SW-10A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
SW-11	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	488	488	187	675	4,720
SW-11A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW-12	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	349	349	124	473	1,490
SW-12A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-13	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	19.9	3,790	3,809.9	769	4,578.9	7,400
SW-13A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
SW-13B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	186
SW-14	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.5	42.5	16.1	58.6	192
SW-15	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	212	212	52	264	3,160
SW-15A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,040
SW-15B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	198
SW-16	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	104	45.6	149.6	352
SW-16A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
SW-16B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	167
SW-17	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,610	3,610	970	4,580	8,800
SW-17A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840
SW-17B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	32.7	32.7	<50.0	32.7	192
SW-18	7/19/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	71.5	71.5	25.1	96.6	1,440
SW-18A	8/1/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SW-18B	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	29.1	29.1	<50.0	29.1	199
SW-19	7/19/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96.0	96.0	35.5	131.5	1,070
SW-19A	8/1/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-20	7/19/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	449	449	195	644	752
SW-20A	8/1/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	12.8	<10.0	12.8	1,170
SW-20B	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.7	27.7	<50.0	27.7	192
SW-21	7/19/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2,030	2,030	670	2,700	3,360
SW-21A	8/1/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.3	37.3	<10.0	37.3	576
SW-22	7/19/2023	2.5-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SW-23	7/19/2023	3-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.2	20.2	<10.0	20.2	656
SW-24	7/19/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	800	800	270	1,070	1,180
SW-24A	8/1/2023	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
SW-25	7/19/2023	1-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,150	1,150	330	1,480	480
SW-26	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SW-27	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,760
SW-28	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.6	16.6	<10.0	16.6	3,920
SW-29	8/3/2023	0-4'	<0.050	0.682	0.860	7.76	9.31	380.0	5,840	6,220	1,120	7,340	496
SW-30	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	11.9	641	652.9	175	827.9	672
SW-31	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.5	10.5	<10.0	10.5	6,000
SW-32	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	587	587	174	761	2,400
SW-33	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,710
SW-34	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.2	39.2	<10.0	39.2	2,000
SW-35	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,000
SW-36	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
SW-37	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	163	163	36.1	199.1	784
SW-38	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Thistle 44H CTB 1
Devon Energy Production Company
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
SW-39	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,760
SW-40	8/3/2023	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-41	8/3/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-42	8/30/2023	0-2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	190
SW-43	8/4/2023	0.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-44	8/4/2023	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
SW-45	8/4/2023	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
SW-46	8/4/2023	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
SW-47	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	30.7
SW-48	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	39.5

Notes:

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

- TPH analyses by EPA Method SW 8015 Mod.
- 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.

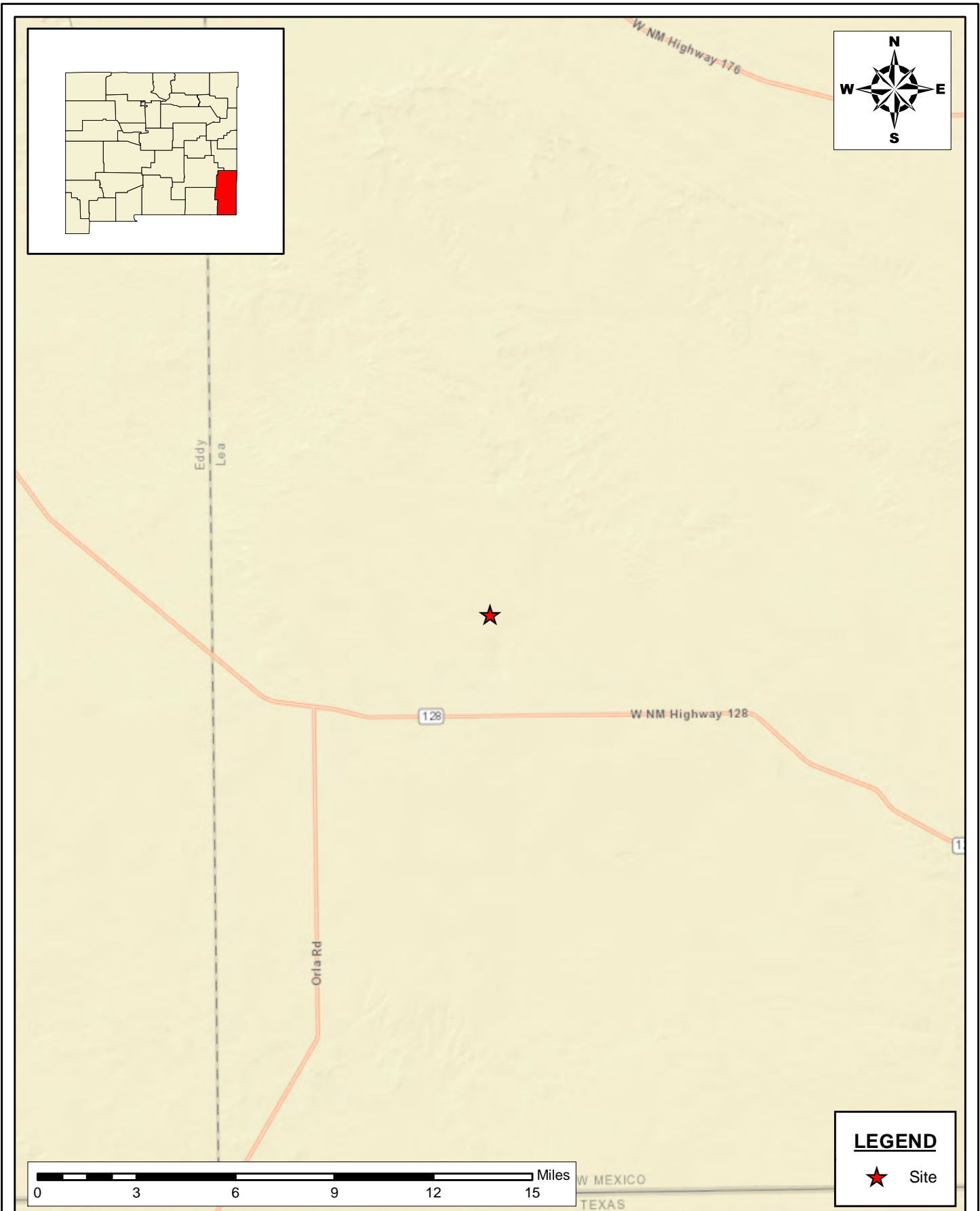
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

- Not Analyzed

SP 1 Sample Point Excavated

FIGURES

Document Path: P:\2023 PROJECTS\DEVON\RSC\237481 - Thistle Unit #46H17- Figures\GIS\Figure_1_SL.mxd



SITE LOCATION MAP
DEFERRAL REPORT
THISTLE UNIT 44H & 46
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 8/2/2023

PROJECT #: 237481

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



NOTES:

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

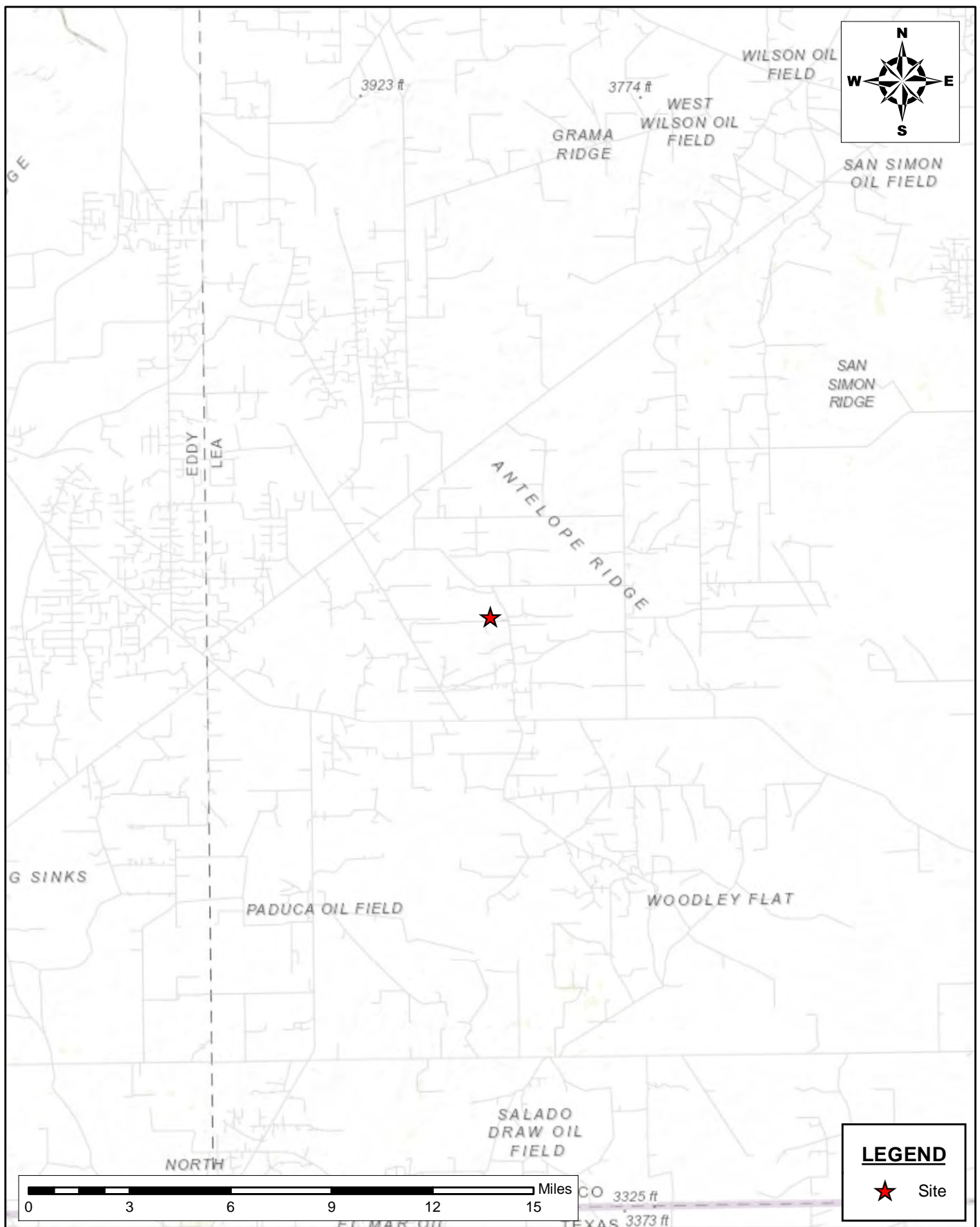
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FIGURE 1

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1 of 1

Document Path: P:\2023 PROJECTS\DEVON\SC1237481 - Thistle Unit #46H17- Figures\GIS\Figure_2_TM.mxd



**TOPOGRAPHIC MAP
DEFERRAL REPORT**
THISTLE UNIT 44H & 46
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO

SCALE: As Shown Date: 8/2/2023 PROJECT #: 237481

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



NOTES:

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

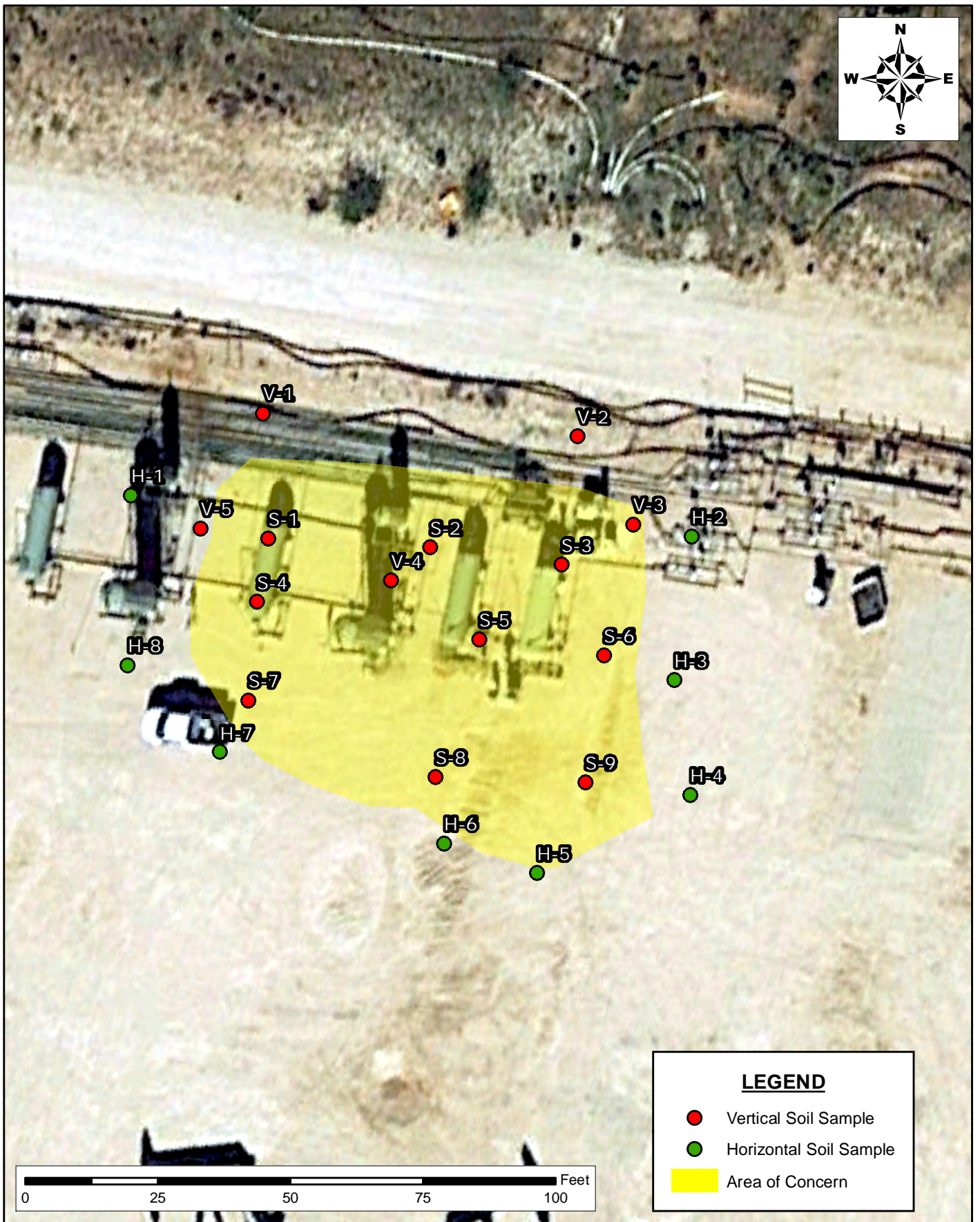
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FIGURE 2

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1 of 1

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SITE ASSESSMENT MAP
DEFERRAL REPORT
THISTLE UNIT 44H & 46
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO
Unit N, Sec 33, T23S, R33E



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

NOTES:

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

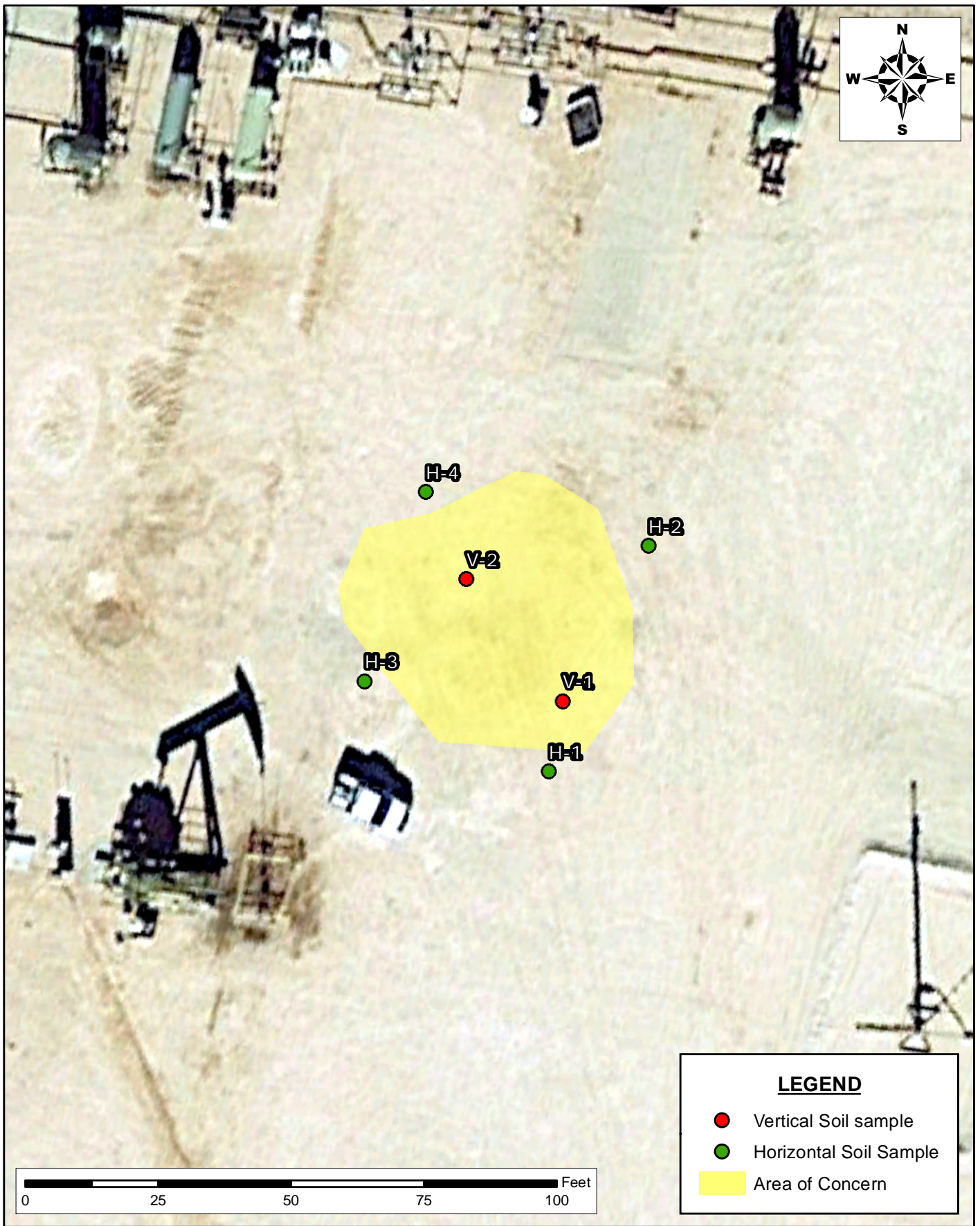
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FIGURE 3

SHEET NUMBER:

1 of 1

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SITE ASSESSMENT MAP
DEFERRAL REPORT
THISTLE UNIT 44H & 46
DEVON ENERGY PRODUCTION COMPANY
LEA COUNTY, NEW MEXICO
Unit N, Sec 33, T23S, R33E

SCALE: AS SHOWN DATE: 10/25/2023 PROJECT #: 237484



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

NOTES:

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

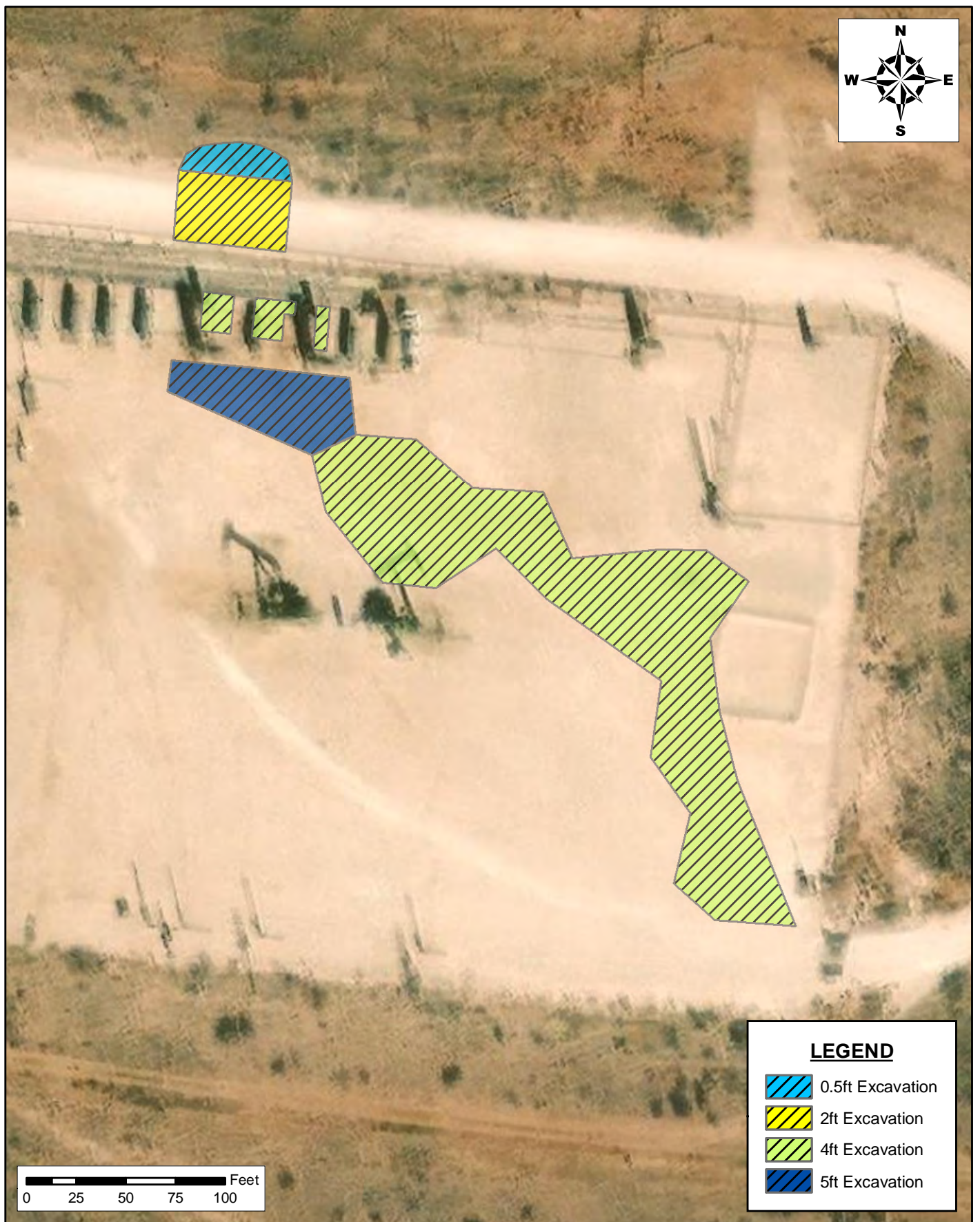
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FIGURE 4

SHEET NUMBER:

1 of 1

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EXCAVATION OVERVIEW
 DEFERRAL REPORT
 THISTLE UNIT 44H & 46
 DEVON ENERGY PRODUCTION COMPANY
 LEA COUNTY, NEW MEXICO
 Unit N, Sec 33, T23S, R33E

SCALE: AS SHOWN

DATE: 10/25/2023

PROJECT #: 237484



New Tech Global Environmental, LLC
 911 Regional Park Drive
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 F - 281.872.4521
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NOTES:

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

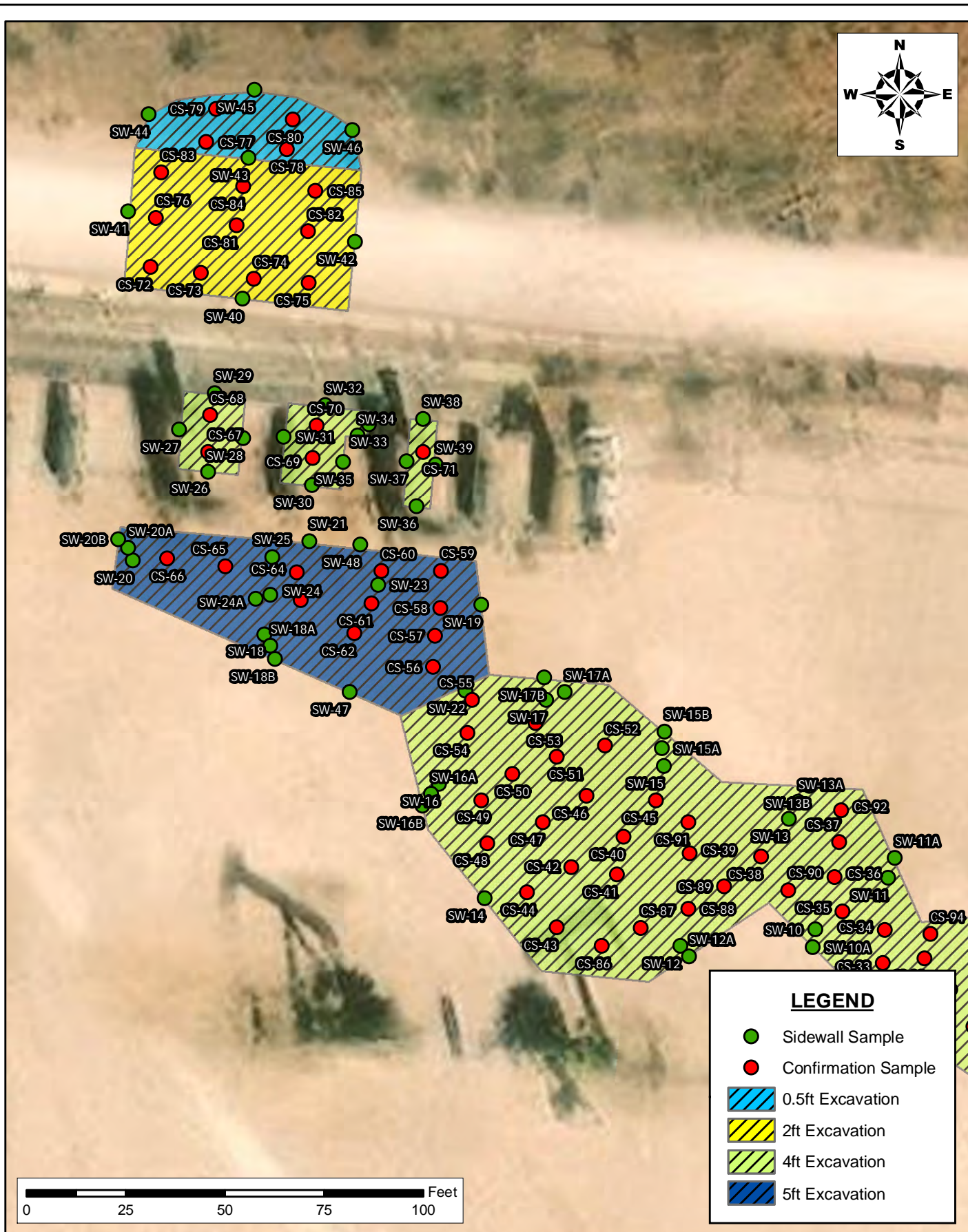
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FIGURE 5

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SITE CONFIRMATION SAMPLE MAP
 DEFERRAL REPORT
 THISTLE UNIT 44H & 46
 DEVON ENERGY PRODUCTION
 COMPANY LEA COUNTY, NEW MEXICO
 Unit N, Sec 33, T23S, R33E

SCALE: AS SHOWN

DATE: 10/25/2023

PROJECT #: 237484



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 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntgenvironmental.com

NOTES:

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

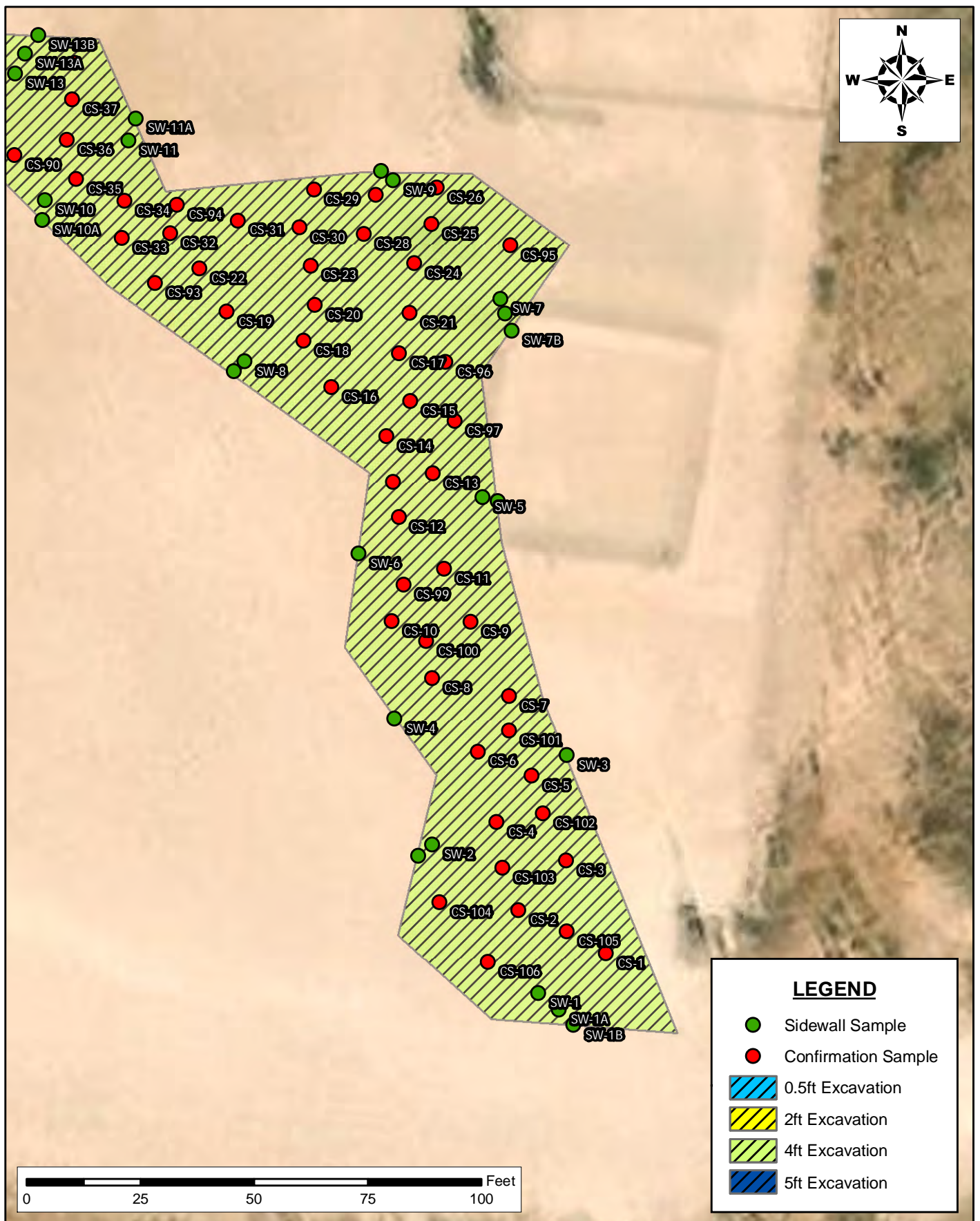
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FIGURE 6

SHEET NUMBER:

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SITE CONFIRMATION SAMPLE MAP
 DEFERRAL REPORT
 THISTLE UNIT 44H & 46
 DEVON ENERGY PRODUCTION
 COMPANY LEA COUNTY, NEW MEXICO
 Unit N, Sec 33, T23S, R33E



New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
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NOTES:

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

DRAWING NUMBER:

FIGURE 7

SHEET NUMBER:

1 of 1

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
Area of impact.

**Photograph No. 2**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
Area of impact.

**Photograph No. 3**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
Area of impact.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 5**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 6**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 8**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 9**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 10

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 11**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

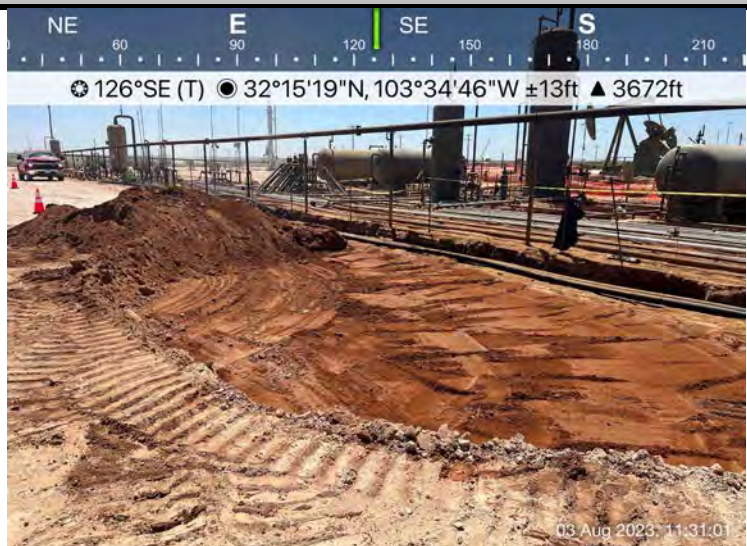
Description:
View of the excavation

**Photograph No. 12**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



PHOTOGRAPHIC LOG

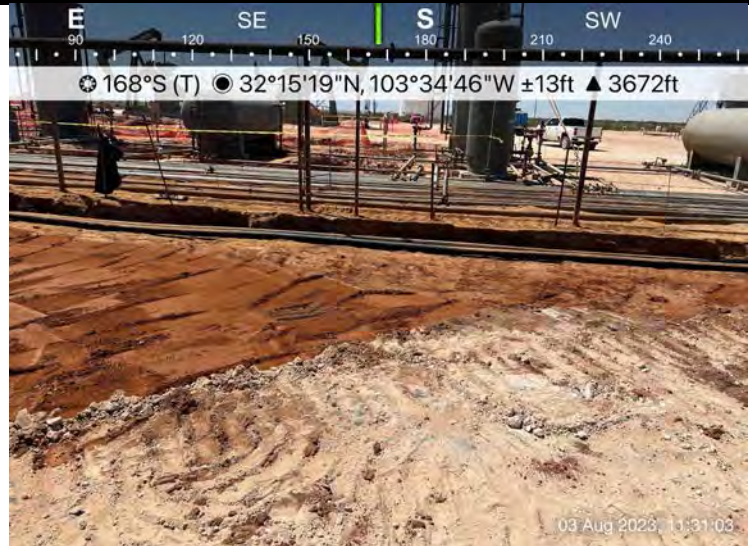
Devon Energy Production Company

Photograph No. 13

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 14**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 15**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 16

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation

**Photograph No. 17**

Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



Facility: Thistle Unit 44H CTB

County: Lea County, New Mexico

Description:
View of the excavation



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

Kellan Smith

From: Ethan Sessums
Sent: Wednesday, November 15, 2023 3:29 PM
To: Kellan Smith
Subject: FW: Sampling Notification

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



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From: Ethan Sessums
Sent: Monday, July 17, 2023 9:05 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: Sampling Notification

NTGE on behalf of DEVON will be conducting a confirmation sampling event starting Wednesday the 19th at 12p.m. MDT persisting through the week until Friday the 21st end of business.

Associated Incidents:

NAPP2201362323	Thistle Unit 44H CTB
nAPP2314547818	Thistle Unit 46
nAPP2301125598	Mesquite Booster Line

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



Kellan Smith

From: Ethan Sessums
Sent: Wednesday, November 15, 2023 3:29 PM
To: Kellan Smith
Subject: FW: [EXTERNAL] Sampling Notification

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
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From: Ethan Sessums
Sent: Friday, July 28, 2023 1:33 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Sampling Notification

Thank you!

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Friday, July 28, 2023 1:32 PM

To: Ethan Sessums <ESessums@ntglobal.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Sampling Notification

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Ethan,

Notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Administrative Permitting Program
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520 |Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Ethan Sessums <ESessums@ntglobal.com>

Sent: Friday, July 28, 2023 12:59 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

NTGE on behalf of DEVON will be conducting a confirmation sampling event starting Tuesday the 1st at 12p.m. MDT persisting through the week until Friday the 4th end of business.

Associated Incidents:

NAPP2201362323	Thistle Unit 44H CTB
nAPP2314547818	Thistle Unit 46
nAPP2301125598	Mesquite Booster Line

Ethan Sessums
Project Manager
NTGE New Mexico
209 W McKay St. Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: esessums@ntglobal.com

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | **Site Assessment, Remediation & Site Closure** | Water Quality & Natural Resources

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Kellan Smith

From: Ethan Sessums
Sent: Wednesday, November 15, 2023 3:28 PM
To: Kellan Smith
Subject: FW: Sampling Notification

Ethan Sessums
Project Manager
NTG Environmental New Mexico
209 W McKay St, Carlsbad, NM 88220
M: 254-266-5456 W: 432-701-2159
Email: esessums@ntglobal.com
<http://www.ntgenvironmental.com/>



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From: Ethan Sessums <ESessums@ntglobal.com>
Sent: Sunday, August 27, 2023 2:01 PM
To: NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: Fwd: Sampling Notification

Ethan Sessums
Project Manager
NTGE New Mexico
209 W McKay St. Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: esessums@ntglobal.com

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | **Site Assessment, Remediation & Site Closure** | Water Quality & Natural Resources

From: Ethan Sessums
Sent: Sunday, August 27, 2023 2:01:12 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: Sampling Notification

NTGE on behalf of DEVON will be conducting a confirmation sampling event starting Wednesday the 30th at or around 10 a.m. MDT persisting throughout the week until Friday the 1st end of business.

Associated Incidents:

NAPP2201362323	Thistle Unit 44H CTB
nAPP2314547818	Thistle Unit 46
nAPP2301125598	Mesquite Booster Line

Ethan Sessums
Project Manager
NTGE New Mexico
209 W McKay St. Carlsbad, NM 88220
M: (254)-266-5456 W: (432)-701-2159
Email: esessums@ntglobal.com

Air Quality Compliance | EHS Management | Environmental Due Diligence & Audits | Midstream Compliance | Regulatory Compliance & Permitting | Site Assessment, Remediation & Site Closure | Water Quality & Natural Resources

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

June 09, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 46

Enclosed are the results of analyses for samples received by the laboratory on 06/07/23 16:40.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
V - 1 (0-1)	H232922-01	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 1 (1-1.5)	H232922-02	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 1 (2-2.5)	H232922-03	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 1 (3-3.5)	H232922-04	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 2 (0-1)	H232922-05	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 2 (1-1.5)	H232922-06	Soil	07-Jun-23 00:00	07-Jun-23 16:40
V - 2 (2-2.5)	H232922-07	Soil	07-Jun-23 00:00	07-Jun-23 16:40
H - 1	H232922-08	Soil	07-Jun-23 00:00	07-Jun-23 16:40
H - 2	H232922-09	Soil	07-Jun-23 00:00	07-Jun-23 16:40
H - 3	H232922-10	Soil	07-Jun-23 00:00	07-Jun-23 16:40
H - 4	H232922-11	Soil	07-Jun-23 00:00	07-Jun-23 16:40

06/09/23 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 06/08/23.

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 1 (0-1)
H232922-01 (Soil)

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

Chloride	1220		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	9.17		2.00	mg/kg	2000	3060801	MS	08-Jun-23	8021B	
Toluene*	155		2.00	mg/kg	2000	3060801	MS	08-Jun-23	8021B	
Ethylbenzene*	64.3		2.00	mg/kg	2000	3060801	MS	08-Jun-23	8021B	
Total Xylenes*	252		6.00	mg/kg	2000	3060801	MS	08-Jun-23	8021B	
Total BTEX	480		12.0	mg/kg	2000	3060801	MS	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134 3060801 MS 08-Jun-23 8021B

Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	3860		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
DRO >C10-C28*	8820		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	1320		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane 513 % 48.2-134 3060805 MS 08-Jun-23 8015B

Surrogate: 1-Chlorooctadecane 280 % 49.1-148 3060805 MS 08-Jun-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 1 (1-1.5)**H232922-02 (Soil)**

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

Chloride	1520		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	0.623		0.200	mg/kg	200	3060801	MS	08-Jun-23	8021B	
Toluene*	14.1		0.200	mg/kg	200	3060801	MS	08-Jun-23	8021B	
Ethylbenzene*	9.27		0.200	mg/kg	200	3060801	MS	08-Jun-23	8021B	
Total Xylenes*	40.2		0.600	mg/kg	200	3060801	MS	08-Jun-23	8021B	
Total BTEX	64.2		1.20	mg/kg	200	3060801	MS	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	159 %		71.5-134			3060801	MS	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	607		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
DRO >C10-C28*	4030		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	689		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane	140 %		48.2-134			3060805	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane	149 %		49.1-148			3060805	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 1 (2-2.5)**H232922-03 (Soil)**

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

Chloride	448		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
DRO >C10-C28*	38.4		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	12.0		10.0	mg/kg	1	3060805	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			90.5 %	48.2-134		3060805	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.9 %	49.1-148		3060805	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 1 (3-3.5)**H232922-04 (Soil)**

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

Chloride	192		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 2 (0-1)
H232922-05 (Soil)

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

Chloride	10000		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	627		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	125		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			118 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			142 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 2 (1-1.5)**H232922-06 (Soil)**

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

Chloride	960		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	75.7		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	52.3		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

V - 2 (2-2.5)**H232922-07 (Soil)**

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

Chloride	192		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	111 %	71.5-134	3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane	112 %	48.2-134	3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane	114 %	49.1-148	3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

H - 1**H232922-08 (Soil)**

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

Chloride	176		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			94.4 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.5 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

H - 2**H232922-09 (Soil)**

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

Chloride	352		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060806	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			117 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			125 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

H - 3**H232922-10 (Soil)**

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

Chloride	160		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			90.5 %		48.2-134	3060807	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			90.9 %		49.1-148	3060807	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

H - 4**H232922-11 (Soil)**

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

Chloride	320		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060802	JH/	08-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060802	JH/	08-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3060802	JH/	08-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060807	MS	08-Jun-23	8015B	

Surrogate: 1-Chlorooctane			101 %	48.2-134		3060807	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3060807	MS	08-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3060822 - 1:4 DI Water									
Blank (3060822-BLK1)					Prepared & Analyzed: 08-Jun-23				
Chloride	ND	16.0	mg/kg						
LCS (3060822-BS1)					Prepared & Analyzed: 08-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (3060822-BSD1)					Prepared & Analyzed: 08-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060801 - Volatiles**Blank (3060801-BLK1)**

Prepared & Analyzed: 08-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

LCS (3060801-BS1)

Prepared & Analyzed: 08-Jun-23

Benzene	2.48	0.050	mg/kg	2.00		124	81.4-118			BS-3
Toluene	2.46	0.050	mg/kg	2.00		123	88.7-121			BS-3
Ethylbenzene	2.40	0.050	mg/kg	2.00		120	86.1-120			
m,p-Xylene	4.93	0.100	mg/kg	4.00		123	88.2-124			
o-Xylene	2.36	0.050	mg/kg	2.00		118	84.9-118			
Total Xylenes	7.29	0.150	mg/kg	6.00		122	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

LCS Dup (3060801-BSD1)

Prepared & Analyzed: 08-Jun-23

Benzene	2.01	0.050	mg/kg	2.00		100	81.4-118	21.0	15.8	QR-04
Toluene	1.99	0.050	mg/kg	2.00		99.7	88.7-121	20.9	15.9	QR-04
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.8	86.1-120	19.4	16	QR-04
m,p-Xylene	4.13	0.100	mg/kg	4.00		103	88.2-124	17.8	16.2	QR-04
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	84.9-118	18.9	16.7	QR-04
Total Xylenes	6.08	0.150	mg/kg	6.00		101	87.3-122	18.1	16.3	QR-04
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

Batch 3060802 - Volatiles**Blank (3060802-BLK1)**

Prepared & Analyzed: 08-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060802 - Volatiles**Blank (3060802-BLK1)**

Prepared & Analyzed: 08-Jun-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	71.5-134			

LCS (3060802-BS1)

Prepared & Analyzed: 08-Jun-23

Benzene	2.42	0.050	mg/kg	2.00		121	81.4-118			BS-3
Toluene	2.45	0.050	mg/kg	2.00		122	88.7-121			BS-3
Ethylbenzene	2.35	0.050	mg/kg	2.00		117	86.1-120			
m,p-Xylene	4.93	0.100	mg/kg	4.00		123	88.2-124			
o-Xylene	2.28	0.050	mg/kg	2.00		114	84.9-118			
Total Xylenes	7.22	0.150	mg/kg	6.00		120	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

LCS Dup (3060802-BS1)

Prepared & Analyzed: 08-Jun-23

Benzene	2.17	0.050	mg/kg	2.00		109	81.4-118	10.9	15.8	
Toluene	2.16	0.050	mg/kg	2.00		108	88.7-121	12.2	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	86.1-120	11.9	16	
m,p-Xylene	4.41	0.100	mg/kg	4.00		110	88.2-124	11.2	16.2	
o-Xylene	2.05	0.050	mg/kg	2.00		102	84.9-118	10.9	16.7	
Total Xylenes	6.46	0.150	mg/kg	6.00		108	87.3-122	11.1	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0533		mg/kg	0.0500		107	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060805 - General Prep - Organics**Blank (3060805-BLK1)**

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	39.9		mg/kg	49.6		80.6	48.2-134		
Surrogate: 1-Chlorooctadecane	41.3		mg/kg	50.0		82.6	49.1-148		

LCS (3060805-BS1)

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	205	10.0	mg/kg	200		103	78.5-124		
DRO >C10-C28	205	10.0	mg/kg	200		103	72.5-126		
Total TPH C6-C28	411	10.0	mg/kg	400		103	77.6-123		
Surrogate: 1-Chlorooctane	53.6		mg/kg	49.6		108	48.2-134		
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	49.1-148		

LCS Dup (3060805-BS1)

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	168	10.0	mg/kg	200		84.2	78.5-124	19.8	17.7	QR-04
DRO >C10-C28	173	10.0	mg/kg	200		86.3	72.5-126	17.3	21	
Total TPH C6-C28	341	10.0	mg/kg	400		85.2	77.6-123	18.5	18.5	
Surrogate: 1-Chlorooctane	42.6		mg/kg	49.6		85.9	48.2-134			
Surrogate: 1-Chlorooctadecane	42.5		mg/kg	50.0		85.1	49.1-148			

Batch 3060806 - General Prep - Organics**Blank (3060806-BLK1)**

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.6		mg/kg	49.6		100	48.2-134			
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

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

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

Batch 3060806 - General Prep - Organics**LCS (3060806-BS1)**

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	177	10.0	mg/kg	200		88.3	78.5-124		
DRO >C10-C28	175	10.0	mg/kg	200		87.6	72.5-126		
Total TPH C6-C28	352	10.0	mg/kg	400		88.0	77.6-123		
Surrogate: 1-Chlorooctane	52.9		mg/kg	49.6		107	48.2-134		
Surrogate: 1-Chlorooctadecane	52.2		mg/kg	50.0		104	49.1-148		

LCS Dup (3060806-BS1)

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	185	10.0	mg/kg	200		92.5	78.5-124	4.58	17.7
DRO >C10-C28	185	10.0	mg/kg	200		92.5	72.5-126	5.37	21
Total TPH C6-C28	370	10.0	mg/kg	400		92.5	77.6-123	4.98	18.5
Surrogate: 1-Chlorooctane	52.4		mg/kg	49.6		106	48.2-134		
Surrogate: 1-Chlorooctadecane	51.8		mg/kg	50.0		104	49.1-148		

Batch 3060807 - General Prep - Organics**Blank (3060807-BLK1)**

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	48.0		mg/kg	49.6		96.8	48.2-134		
Surrogate: 1-Chlorooctadecane	52.8		mg/kg	50.0		106	49.1-148		

LCS (3060807-BS1)

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	190	10.0	mg/kg	200		95.2	78.5-124		
DRO >C10-C28	177	10.0	mg/kg	200		88.6	72.5-126		
Total TPH C6-C28	368	10.0	mg/kg	400		91.9	77.6-123		
Surrogate: 1-Chlorooctane	53.7		mg/kg	49.6		108	48.2-134		
Surrogate: 1-Chlorooctadecane	61.7		mg/kg	50.0		123	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE 46
Project Number: 237334
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
09-Jun-23 16:55

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

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

Batch 3060807 - General Prep - Organics**LCS Dup (3060807-BSD1)**

Prepared & Analyzed: 08-Jun-23

GRO C6-C10	191	10.0	mg/kg	200		95.4	78.5-124	0.208	17.7	
DRO >C10-C28	174	10.0	mg/kg	200		87.2	72.5-126	1.61	21	
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	77.6-123	0.667	18.5	
Surrogate: 1-Chlorooctane	52.5		mg/kg	49.6		106	48.2-134			
Surrogate: 1-Chlorooctadecane	60.2		mg/kg	50.0		120	49.1-148			

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-04 The RPD for the BS/BSD was outside of historical limits.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232922Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:		Thistle 22-CTB-2 <u>46</u>		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:		237334		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O			
Project Location:		Lea Co. NM		Due Date:		24hr														Cool: Cool MeOH: Me	
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN			
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113														NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		31°C														Zn Acetate+NaOH: Zn	
Total Containers:		11		Corrected Temperature:		2.5°C														NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
V-1 (0-1)		6/7/2023		X		Grab/	1	X	X	X											
V-1 (1-1.5)		6/7/2023		X		Grab/	1	X	X	X											
V-1 (2-2.5)		6/7/2023		X		Grab/	1	X	X	X											
V-1 (3-3.5)		6/7/2023		X		Grab/	1	X	X	X											
V-2 (0-1)		6/7/2023		X		Grab/	1	X	X	X											
V-2 (1-1.5)		6/7/2023		X		Grab/	1	X	X	X											
V-2 (2-2.5)		6/7/2023		X		Grab/	1	X	X	X											
H-1		6/7/2023		X		Grab/	1	X	X	X											
H-2		6/7/2023		X		Grab/	1	X	X	X											
H-3		6/7/2023		X		Grab/	1	X	X	X											

Additional Comments: 6/8/23 - Name changed by customer. JTA

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<i>[Signature]</i>	6-7-23 1640			



Chain of Custody

Work Order No: H232922


Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

[illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		6-7-23/1640			
3			4		
5			6		



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July 21, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 44 AND 46

Enclosed are the results of analyses for samples received by the laboratory on 07/19/23 15:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 1 2.5' (H233760-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34		
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00		
Total BTEX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	240	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	2090	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	497	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 2 2.5' (H233760-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34	
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00	
Total BTEX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	400	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	926	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	170	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 3 2.5' (H233760-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34	
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00	
Total BTEX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	112	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	379	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	73.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 50.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 4 2.5' (H233760-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34		
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00		
Total BTEx	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	2140	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	599	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 5 2.5' (H233760-05)

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	07/19/2023	ND	2.20	110	2.00	2.34	
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00	
Total BTEx	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	144	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	422	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	64.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 6 2.5' (H233760-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.20	110	2.00	2.34		
Toluene*	<0.050	0.050	07/19/2023	ND	2.18	109	2.00	1.67		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.31	115	2.00	1.63		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.92	115	6.00	2.00		
Total BTEX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	128	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	247	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	47.7	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 7 2.5' (H233760-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	QR-03
Toluene*	0.170	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	0.146	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	0.989	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	1.31	0.300	07/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	33.2	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	1350	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	252	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 8 2.5' (H233760-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTX	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09		
DRO >C10-C28*	329	10.0	07/20/2023	ND	172	86.1	200	1.40		
EXT DRO >C28-C36	108	10.0	07/20/2023	ND						

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 9 2.5' (H233760-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEx	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	290	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	59.2	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS - 10 2.5' (H233760-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEx	<0.300	0.300	07/19/2023	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	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 11 2.5' (H233760-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	0.310	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	0.374	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	2.95	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEX	3.64	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	256	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	66.9	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	3580	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	790	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 12 2.5' (H233760-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEx	<0.300	0.300	07/19/2023	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	128	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	13.3	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 13 2.5' (H233760-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEX	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	166	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	39.6	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS - 14 2.5' (H233760-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/20/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.02		
Total BTEX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	915	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	183	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 158 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 15 2.5' (H233760-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	473	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	83.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 16 2.5' (H233760-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTX	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	29.8	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS - 17 2.5' (H233760-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	436	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	80.9	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 18 2.5' (H233760-18)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTX	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	1750	10.0	07/20/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	401	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 19 2.5' (H233760-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	162	80.8	200	5.09	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	172	86.1	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 20 2.5' (H233760-20)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTX	<0.300	0.300	07/19/2023	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	864	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	19.0	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 21 2.5' (H233760-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTX	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	129	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	18.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 22 2.5' (H233760-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	638	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	163	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 23 2.5' (H233760-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73	
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	912	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	226	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 24 2.5' (H233760-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEx	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS - 25 2.5' (H233760-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEX	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	2890	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	768	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 26 2.5' (H233760-26)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTEx	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 27 2.5' (H233760-27)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	628	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	142	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 28 2.5' (H233760-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	44.9	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 29 2.5' (H233760-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	16.9	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 30 2.5' (H233760-30)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	12.4	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 31 2.5' (H233760-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	25.5	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 32 2.5' (H233760-32)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/20/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	169	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	27.3	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 33 2.5' (H233760-33)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	80.5	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	15.3	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 34 2.5' (H233760-34)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	592	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	47.4	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 35 2.5' (H233760-35)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	432	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	583	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	239	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 36 2.5' (H233760-36)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/20/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	44.3	10.0	07/21/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 37 2.5' (H233760-37)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1300	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	13.9	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 38 2.5' (H233760-38)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59		
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94		
Total BTEX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	1280	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	381	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 39 2.5' (H233760-39)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEx	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	175	87.7	200	2.08	
DRO >C10-C28*	12.7	10.0	07/20/2023	ND	184	91.8	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 40 2.5' (H233760-40)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1570	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	57.8	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 41 2.5' (H233760-41)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	69.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 42 2.5' (H233760-42)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	832	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	11.6	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 43 2.5' (H233760-43)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.11	105	2.00	1.59	
Toluene*	<0.050	0.050	07/20/2023	ND	2.06	103	2.00	1.08	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.98	99.0	2.00	1.59	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.97	99.4	6.00	1.94	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	33.5	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 44 2.5' (H233760-44)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	320	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	52.9	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 45 2.5' (H233760-45)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2760	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: CS - 46 2.5' (H233760-46)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	56.8	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 47 2.5' (H233760-47)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	77.9	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	15.6	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 48 2.5' (H233760-48)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 49 2.5' (H233760-49)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	880	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 50 2.5' (H233760-50)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2640	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 51 2.5' (H233760-51)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 52 2.5' (H233760-52)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 53 2.5' (H233760-53)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	52.3	10.0	07/21/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 54 2.5' (H233760-54)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 55 2.5' (H233760-55)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29		
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27		
Total BTX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	60.8	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	10.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 56 5' (H233760-56)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 57 5' (H233760-57)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	864	16.0	07/20/2023	ND	416	104	400	3.77	QM-07	

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	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	14.9	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 58 5' (H233760-58)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3360	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	607	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	231	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 59 3' (H233760-59)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	23.8	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 60 3' (H233760-60)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 61 5' (H233760-61)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	336	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	11.3	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 62 5' (H233760-62)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1010	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 63 5' (H233760-63)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.17	108	2.00	2.29	
Toluene*	<0.050	0.050	07/20/2023	ND	2.13	107	2.00	2.57	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.05	103	2.00	1.41	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.13	102	6.00	1.27	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	336	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 64 3' (H233760-64)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1550	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	22.9	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 65 1' (H233760-65)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	336	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	173	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	47.9	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 66 1' (H233760-66)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	864	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	935	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	221	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 1 0-2.5' (H233760-67)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	1220	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	4170	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	1440	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 183 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 2 0-2.5' (H233760-68)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	115	10.0	07/21/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	29.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 3 0-2.5' (H233760-69)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	144	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	16.0	10.0	07/21/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 4 0-2.5' (H233760-70)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	20.8	10.0	07/21/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

Sample ID: SW - 5 0-2.5' (H233760-71)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	235	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	36.2	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 6 0-2.5' (H233760-72)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	288	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	108	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 7 0-2.5' (H233760-73)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02		
DRO >C10-C28*	210	10.0	07/20/2023	ND	158	79.1	200	5.20		
EXT DRO >C28-C36	56.4	10.0	07/20/2023	ND						

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 8 0-2.5' (H233760-74)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	4320	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	2460	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	595	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 9 0-2.5' (H233760-75)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	799	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	271	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 10 0-2.5' (H233760-76)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	138	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	79.7	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 11 0-2.5' (H233760-77)

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	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	4720	16.0	07/20/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	488	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	187	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 12 0-2.5' (H233760-78)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEx	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	07/20/2023	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	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	349	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	124	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 13 0-2.5' (H233760-79)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	0.093	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	7400	16.0	07/20/2023	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*	19.9	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	3790	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	769	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 14 0-2.5' (H233760-80)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	42.5	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	16.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 15 0-2.5' (H233760-81)

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	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	212	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	52.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 16 0-2.5' (H233760-82)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	104	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	45.6	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 17 0-2.5' (H233760-83)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8800	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	3610	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	970	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 18 0-5' (H233760-84)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	71.5	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	25.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 19 0-5' (H233760-85)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	96.0	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	35.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 20 0-1' (H233760-86)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	449	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	195	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 21 0-3' (H233760-87)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	07/20/2023	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	07/21/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	2030	10.0	07/21/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	670	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 22 2.5-5' (H233760-88)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 23 3-5' (H233760-89)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTEx	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	20.2	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 24 1-5' (H233760-90)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	07/20/2023	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	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	800	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	270	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/19/2023
 Reported: 07/21/2023
 Project Name: THISTLE 44 AND 46
 Project Number: 226502
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: SW - 25 (H233760-91)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTX	<0.300	0.300	07/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/20/2023	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	07/21/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	1150	10.0	07/21/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	330	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H233760Page 1 of 10

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:	<u>Thistle 44 and 46</u>		Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:	<u>226502</u>		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O			
Project Location:	<u>Eddy Co NM</u>		Due Date: <u>48hr</u>														Cool: Cool MeOH: Me			
Sampler's Name:	<u>KST+ST</u>		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN			
PO #:	<u>20915551</u>																H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												H ₃ PO ₄ : HP	
Received Intact:			Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	<u>140</u>	NaHSO ₄ : NABIS														
Cooler Custody Seals:			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	<u>—</u>	Na ₂ S ₂ O ₃ : NaSO ₃														
Sample Custody Seals:			Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	<u>32.2</u>	Zn Acetate+NaOH: Zn														
Total Containers:				Corrected Temperature:	<u>- #140</u>	NaOH+Ascorbic Acid: SAPC														
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
<u>CS-1 2.5'</u>	<u>7/19/23</u>	<u>12:00</u>	<u>X</u>		<u>C</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>											
<u>CS-2 2.5'</u>		<u>12:02</u>																		
<u>CS-3 2.5'</u>		<u>12:04</u>																		
<u>CS-4 2.5'</u>		<u>12:06</u>																		
<u>CS-5 2.5'</u>		<u>12:08</u>																		
<u>CS-6 2.5'</u>		<u>12:10</u>																		
<u>CS-7 2.5'</u>		<u>12:12</u>																		
<u>CS-8 2.5'</u>		<u>12:14</u>																		
<u>CS-9 2.5'</u>		<u>12:16</u>																		
<u>CS-10 2.5'</u>		<u>12:18</u>																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Shawn Cinner</u>	<u>7/19/23 15:15</u>			



Chain of Custody

Work Order No: H2337600Page 2 of 10

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	<u>This is the 49 and 46</u>		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O	
Project Location:	<u>Eddy Co NM</u>		Due Date:																				Cool: Cool MeOH: Me	
Sampler's Name:	<u>KS+JT</u>		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN	
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HOLD																H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	<u>140</u>		NaHSO ₄ : NABIS																			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:			Na ₂ S ₂ O ₃ : NaSO ₃																			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	<u>3.2°C H/140</u>		Zn Acetate+NaOH: Zn																			
Total Containers:			Corrected Temperature:			NaOH+Ascorbic Acid: SAPC																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
CS-11 2.5'	7/19/23	12:20	X		C	1	X	X	X															
CS-12 2.5'		12:22																						
CS-13 2.5'		12:24																						
CS-14 2.5'		12:26																						
CS-15 2.5'		12:28																						
CS-16 2.5'		12:30																						
CS-17 2.5'		12:32																						
CS-18 2.5'		12:34																						
CS-19 2.5'		12:36																						
CS-20 2.5'		12:38																						

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Shawn Cisneros</u>	7/19/23 15:15			



Chain of Custody

Work Order No:

142337600

Page 3 of 10

Page 96 of 103

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:	Thistle #644 and 46		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes							
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush													None: NO DI Water: H ₂ O							
Project Location:	Eddy Co NM		Due Date:	46 hr												Cool: Cool MeOH: Me							
Sampler's Name:	KS + JT		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC HNO ₃ : HN							
PO #:					Parameters											H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H ₃ PO ₄ : HP					
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:			740												NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:															Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:			3.2°C #140												Zn Acetate+NaOH: Zn					
Total Containers:			Corrected Temperature:														NaOH+Ascorbic Acid: SAPC						
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments				
CS-21 2.5'			7/19/23	12:40	X		C	1	X	X	X												
CS-22 2.5'				12:42	X		C	1															
CS-23 2.5'				12:44			C	1															
CS-24 2.5'				12:46			C	1															
CS-25 2.5'				12:48			C	1															
CS-26 2.5'				12:50			C	1															
CS-27 2.5'				12:52			C	1															
CS-28 2.5'				12:54			C	1															
CS-29 2.5'				12:56			C	1															
CS-30 2.5'				12:58			C	1															

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 15:15			



Chain of Custody

Work Order No: H233760Page 4 of 10

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	<u>Thistle 44 and 46</u>		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes														
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO DI Water: H ₂ O													
Project Location:	<u>Eddy Co NM</u>		Due Date:	<u>4/8/21</u>															Cool: Cool MeOH: Me													
Sampler's Name:	<u>KS4JT</u>		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN													
PO #:						HOLD H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC												Sample Comments														
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:															Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	<u>140</u>																												
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																													
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:	<u>3.2C + 140</u>																												
Total Containers:			Corrected Temperature:																													
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																										
<u>CS-31 2.5'</u>	<u>7/19/23</u>	<u>1:00</u>	<u>X</u>		<u>C</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>																							
<u>CS-32 2.5'</u>		<u>1:02</u>																														
<u>CS-33 2.5'</u>		<u>1:04</u>																														
<u>CS-34 2.5'</u>		<u>1:06</u>																														
<u>CS-35 2.5'</u>		<u>1:08</u>																														
<u>CS-36 2.5'</u>		<u>1:10</u>																														
<u>CS-37 2.5'</u>		<u>1:12</u>																														
<u>CS-38 2.5'</u>		<u>1:14</u>																														
<u>CS-39 2.5'</u>		<u>1:16</u>																														
<u>CS-40 2.5'</u>		<u>1:18</u>																														

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Shawn Cline</u>	<u>7/19/23 15:15</u>			



Chain of Custody

Work Order No: H233760Page 5 of 10

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	<u>Thistle 44+46</u>		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O	
Project Location:	<u>Eddy Co NM</u>		Due Date:	<u>4/8/1</u>																			Cool: Cool MeOH: Me	
Sampler's Name:	<u>KS + JT</u>		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN	
PO #:						HOLD H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																		
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:																	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		<u>140</u>																			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		<u>3.2°C ±140</u>																			
Total Containers:			Corrected Temperature:																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
CS-41 2.5'	7/19/23	1:20	X		C	1	X	X	X															
CS-42 2.5'		1:22																						
CS-43 2.5'		1:24																						
CS-44 2.5'		1:26																						
CS-45 2.5'		1:28																						
CS-46 2.5'		1:30																						
CS-47 2.5'		1:32																						
CS-48 2.5'		1:34																						
CS-49 2.5'		1:36																						
CS-50 2.5'		1:38																						

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Dhanu Conner</u>	<u>7/19/23 15:15</u>			



Chain of Custody

Work Order No:

H2337600

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:		Thistle 44 and 46		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes							
Project Number:				<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O							
Project Location:		E-44 Co NM		Due Date:		46hrs												Cool: Cool MeOH: Me							
Sampler's Name:		KS + JT		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN							
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters												H ₃ PO ₄ : HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140				BTEX 8021B												NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:						TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		3.2 C #141				Chloride 4500												Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
CS-51 2.5'		7/19/23		1:40		X				C		1		X X X											
CS-52 2.5'				1:42																					
CS-53 2.5'				1:44																					
CS-54 2.5'				1:46																					
CS-55 2.5'				1:48																					
CS-56 5'				1:50																					
CS-57 5'				1:52																					
CS-58 5'				1:54																					
CS-59 3'				1:56																					
CS-60 3'				1:58																					

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	Shawn Cisneros	7/19/23 15:15			



Chain of Custody

Work Order No: H233760Page 7 of 10

Page 100 of 103

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:		<u>Thistle 44 and 46</u>		Turn Around				ANALYSIS REQUEST										Preservative Codes							
Project Number:				<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code												None: NO DI Water: H ₂ O							
Project Location:		<u>Eddy Co NM</u>		Due Date:		<u>4/8/1</u>												Cool: Cool MeOH: Me							
Sampler's Name:		<u>KS + SI</u>		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN							
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												H ₃ PO ₄ : HP							
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		<u>140</u>												NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		<u>32.0 °C #140</u>												Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont												Sample Comments	
CS-61 5'		7/19/23		2:00		X				L		1		X X X											
CS-62 5'				2:02																					
CS-63 5'				2:04																					
CS-64 3'				2:06																					
CS-65 1'				2:09																					
CS-66 1'				2:10																					
SW-1 0-2.5'				2:12																					
SW-2 0-2.5'				2:14																					
SW-3 0-2.5'				2:16																					
SW-4 0-2.5'				2:18																					

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/23 15:15</u>			



Chain of Custody

Work Order No:

4233760

Page 8 of 10

Page 101 of 103

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	Thistle 44 and 46		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes						
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O						
Project Location:	Eddy Co NM		Due Date:		48 hr												Cool: Cool MeOH: Me						
Sampler's Name:	KS + JT		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN						
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na						
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140												NaHSO ₄ : NABIS								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	3.2°C #140												Zn Acetate+NaOH: Zn								
Total Containers:			Corrected Temperature:													NaOH+Ascorbic Acid: SAPC							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																Sample Comments	
SW-5 (0-2.5')	7/19/23	2:20	X		C	1	X	X	X														
SW-6 (0-2.5')		2:22																					
SW-7		2:24																					
SW-8		2:26																					
SW-9		2:28																					
SW-10		2:30																					
SW-11		2:32																					
SW-12		2:34																					
SW-13		2:36																					
SW-14		2:38																					

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 5:15			



Chain of Custody

Work Order No: 4233760Page 9 of 10

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:	<u>Thistle 44 and 46</u>		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO DI Water: H ₂ O			
Project Location:	<u>Eddy Co NM</u>		Due Date:	<u>4/8/23</u>															Cool: Cool MeOH: Me			
Sampler's Name:			TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN			
PO #:						HOLD												H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:													Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	H ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	<u>140</u>														NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:			Na ₂ S ₂ O ₃ : NaSO ₃																
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:	<u>3.2°C #140</u>		Zn Acetate+NaOH: Zn																
Total Containers:			Corrected Temperature:			NaOH+Ascorbic Acid: SAPC																
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
<u>SW-15 (0-2.5')</u>			<u>7/19/23</u>	<u>2:40</u>	<u>X</u>		<u>C</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>											
<u>SW-16</u>				<u>2:42</u>																		
<u>SW-17</u>				<u>2:43</u>																		
<u>SW-18 (0-5')</u>				<u>2:44</u>																		
<u>SW-19 (0-5')</u>				<u>2:45</u>																		
<u>SW-20 (0-1')</u>				<u>2:46</u>																		
<u>SW-21 (0-3')</u>				<u>2:47</u>																		
<u>SW-22 (2.5-5')</u>				<u>2:48</u>																		
<u>SW-23 (3-5')</u>				<u>2:49</u>																		
<u>SW-24 (1-5')</u>				<u>2:50</u>																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Shan Cisneros</u>	<u>7/19/23 15:15</u>			



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H23376

Pg 10 of 10

Page 103 of 103

Company Name: NTGC				BILL TO				ANALYSIS REQUEST															
Project Manager: Graham Sessions				P.O. #: 20995551				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 80213</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride 4500</div> </div>															
Address: 402 E Main Ave				Company: Devon Energy																			
City: Carlsbad State: Zip:				Attn: Wesley Matthews																			
Phone #: 254-266-5456 Fax #:				Address: 6468 Seven Rivers Hwy																			
Project #: Project Owner:				City: Artesia																			
Project Name: Thistle 44 and 46				State: NM Zip: 88210																			
Project Location: Eddy Co NM				Phone #:																			
Sampler Name: Ks + JT				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING		DATE TIME									
H233760 91		SW-25				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER				ACID/BASE ICE / COOL OTHER													
						X						7/19/23 2:51		X		X		X					

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Relinquished By:		Date: 7/19/23 Time: 15:15		Received By: Shan Cimeus		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address:	
		Time:				REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 3.2° #140		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
FORM-006 R 3.3 07/18/22				CHECKED BY: (Initials) AC		Bacteria (only) Sample Condition	
						Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
						Thermometer ID #113 Correction Factor -0.6°	
						Observed Temp. °C Corrected Temp. °C	

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



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

August 03, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 4' (H234053-01)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78		
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23		
Total BTX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	160	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	93.9	200	6.28	
DRO >C10-C28*	34.5	10.0	08/02/2023	ND	199	99.4	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 4' (H234053-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2000	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 4' (H234053-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 4' (H234053-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 4' (H234053-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 4' (H234053-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 4' (H234053-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	80.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 4' (H234053-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 4' (H234053-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	128	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 4' (H234053-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	80.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 4' (H234053-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	192	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 4' (H234053-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 4' (H234053-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	368	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 17 4' (H234053-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 18 4' (H234053-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	288	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 20 4' (H234053-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 21 4' (H234053-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 22 4' (H234053-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 23 4' (H234053-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 24 4' (H234053-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3800	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 25 4' (H234053-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 27 4' (H234053-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 29 4' (H234053-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 31 4' (H234053-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 32 4' (H234053-26)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	177	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	58.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 33 4' (H234053-27)

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	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 35 4' (H234053-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 37 4' (H234053-29)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 38 4' (H234053-30)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 39 4' (H234053-31)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 40 4' (H234053-32)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/02/2023	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	480	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 42 4' (H234053-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 45 4' (H234053-34)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 46 4' (H234053-35)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	08/02/2023	ND	432	108	400	0.00	QM-07

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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 47 4' (H234053-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 49 4' (H234053-37)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 50 4' (H234053-38)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 51 4' (H234053-39)

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	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 52 4' (H234053-40)

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	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 53 4' (H234053-41)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4040	16.0	08/02/2023	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	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 55 4' (H234053-42)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	896	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 59 5' (H234053-43)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	752	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	31.3	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 60 5' (H234053-44)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 64 5' (H234053-45)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	720	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 65 2' (H234053-46)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	234	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	40.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1A 0-4' (H234053-47)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2A 0-4' (H234053-48)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	14.3	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5A 0-4' (H234053-49)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6A 0-4' (H234053-50)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7A 0-4' (H234053-51)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8A 0-4' (H234053-52)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41		
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9A 0-4' (H234053-53)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10A 0-4' (H234053-54)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41		
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11		
Total BTEX	<0.300	0.300	08/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/02/2023	ND	416	104	400	3.92	QM-07	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11A 0-4' (H234053-55)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	368	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12A 0-4' (H234053-56)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13A 0-4' (H234053-57)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41		
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	08/02/2023	ND	416	104	400	3.92		

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15A 0-4' (H234053-58)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4040	16.0	08/02/2023	ND	416	104	400	3.92		

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 16A 0-4' (H234053-59)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	656	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 17A 0-4' (H234053-60)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 18A 0-5' (H234053-61)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41		
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 19A 0-5' (H234053-62)

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	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	3.92		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 20A 0-2' (H234053-63)

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	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEX	<0.300	0.300	08/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	12.8	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 21A 0-5' (H234053-64)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642	
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697	
Total BTX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	37.3	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 24A 2-5' (H234053-65)

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	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	736	16.0	08/02/2023	ND	416	104	400	3.92		

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	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/01/2023
 Reported: 08/03/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 66 2' (H234053-67)

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	08/03/2023	ND	1.98	99.2	2.00	0.642	
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697	
Total BTEX	<0.300	0.300	08/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	08/02/2023	ND	416	104	400	3.92	

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	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	71.1	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	28.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H234053Page 1 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:		Thistle Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO		DI Water: H ₂ O		
Project Location:		Lea Co. NM		Due Date:																				48hr		Cool: Cool		MeOH: Me
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC		HNO ₃ : HN		
PO #:																								H ₂ SO ₄ : H ₂		NaOH: Na		
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	HOLD																H ₃ PO ₄ : HP				
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140																		NaHSO ₄ : NABIS				
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																				Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		1.3C																		Zn Acetate+NaOH: Zn				
Total Containers:		47		Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments				
CS-1 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-2 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-3 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-4 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-5 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-6 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-7 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-8 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-9 4'		8/1/2023		X		Comp	1	X	X	X																		
CS-11 4'		8/1/2023		X		Comp	1	X	X	X																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8-1-23 1354			

Revised Date 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H234053Page 2 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	Thistle Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O				
Project Location:	Lea Co. NM		Due Date: 48hr																				Cool: Cool MeOH: Me				
Sampler's Name:	Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN				
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na																						
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	HOLD H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																									
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.3°C																								
Total Containers:	67	Corrected Temperature:																									
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-13 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-14 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-15 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-17 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-18 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-20 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-21 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-22 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-23 4'	8/1/2023		X		Grab/	1	X	X	X																		
CS-24 4'	8/1/2023		X		Grab/	1	X	X	X																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8-1-23 1354			

Revised Date 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H234053Page 3 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit #46		Turn Around		ANALYSIS REQUEST												Preservative Codes				
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO DI Water: H ₂ O				
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me		
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO ₃ : HN				
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>														H ₃ PO ₄ : HP		
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140														NaHSO ₄ : NABIS		
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		1.32														Zn Acetate+NaOH: Zn		
Total Containers:		67		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-25 4'		8/1/2023		X		Comp	1	X	X	X												
CS-27 4'		8/1/2023		X		Comp	1	X	X	X												
CS-29 4'		8/1/2023		X		Comp	1	X	X	X												
CS-30 4'		8/1/2023		X		Comp	1	X	X	X	NO sample TO 8/1/23											
CS-31 4'		8/1/2023		X		Comp	1	X	X	X												
CS-32 4'		8/1/2023		X		Comp	1	X	X	X												
CS-33 4'		8/1/2023		X		Comp	1	X	X	X												
CS-35 4'		8/1/2023		X		Comp	1	X	X	X												
CS-37 4'		8/1/2023		X		Comp	1	X	X	X												
CS-38 4'		8/1/2023		X		Comp	1	X	X	X												

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8-1-23 1354			

Revised Date 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H234053Page 4 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit #46		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes		
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																None: NO DI Water: H ₂ O		
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me		
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN		
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na		
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP		
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140														NaHSO ₄ : NABIS		
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		113°														Zn Acetate+NaOH: Zn		
Total Containers:		61		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC		
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-39 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-40 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-42 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-45 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-46 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-47 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-49 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-50 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-51 4'		6/7/2023		X		Grab/	1	X	X	X												
CS-52 4'		6/7/2023		X		Grab/	1	X	X	X												

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8-1-23 1354	2		
3			4		
5			6		

Revised Date 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H234053

Page 5 of 7



Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

[illegible]

Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1			8-1-23	1354	
2					
3					
4					
5					
6					



Chain of Custody

Work Order No: H234053Page 6 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

Project Name:	Thistle Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO		DI Water: H ₂ O		
Project Location:	Lea Co. NM		Due Date:																48hr		Cool: Cool		MeOH: Me
Sampler's Name:	Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm.																HCL: HC		HNO ₃ : HN		
PO #:																			H ₂ SO ₄ : H ₂		NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HOLD H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC												Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.3°C																				
Total Containers:	67		Corrected Temperature:																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	
SW-7A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-8A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-9A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-10A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-11A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-12A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-13A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-15A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-16A 0-4'	8/1/2023		X		Comp	1	X	X	X														
SW-17A 0-4'	8/1/2023		X		Comp	1	X	X	X														

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	8-1-23 1354			

Revised Date 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H234053Page 7 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit #46		Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush												None: NO DI Water: H ₂ O			
Project Location:		Lea Co. NM		Due Date:		48hr												Cool: Cool MeOH: Me	
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm												HCL: HC HNO ₃ : HN			
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												H ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140												NaHSO ₄ : NABIS	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		1.32												Zn Acetate+NaOH: Zn	
Total Containers:		67		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
SW-18A 0-5'		8/1/2023		X		Comp	1	X	X	X									
SW-19A 0-5'		8/1/2023		X		Comp	1	X	X	X									
SW-20A 0-2'		8/1/2023		X		Comp	1	X	X	X									
SW-21A 0-5'		8/1/2023		X		Comp	1	X	X	X									
SW-24A 2-5'		8/1/2023		X		Comp	1	X	X	X									
SW-25A 2-5'		8/1/2023		X		Comp	1	X	X	X	NO Sample						T.O. 8/1/23		
CS-66 2'		8/1/23		X		Comp	1	X	X	X									

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8-1-23 1:35 ²			
3					
5					

Revised Date 05/01/2020 Rev. 2020.1



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

August 07, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 14:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 67 (4') (H234131-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1410	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 68 (4') (H234131-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 69 (4') (H234131-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 70 (4') (H234131-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	400	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 71 (4') (H234131-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 72 (2') (H234131-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 26 (0-4') (H234131-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 27 (0-4') (H234131-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2760	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 28 (0-4') (H234131-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3920	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	16.6	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 29 (0-4') (H234131-10)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	0.682	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	0.860	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	7.76	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	9.31	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 216 % 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	496	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	380	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	5840	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	1120	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 30 (H234131-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	0.159	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/07/2023	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*	11.9	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	641	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	175	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 31 (H234131-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	6000	16.0	08/07/2023	ND	432	108	400	3.64	QM-07	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	10.5	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 32 (H234131-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2400	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	587	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	174	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 33 (H234131-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 34 (H234131-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2000	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	39.2	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 35 (H234131-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4000	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 36 (H234131-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 37 (H234131-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	784	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	163	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	36.1	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 38 (H234131-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2280	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 39 (H234131-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1760	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 40 (H234131-21)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEX	<0.300	0.300	08/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 41 (H234131-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63	
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77	
Total BTEX	<0.300	0.300	08/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 73 (H234131-23)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEX	<0.300	0.300	08/05/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTG Environmental Project Manager: Ethan Sevens Address: 209 W McKay St City: Carlsbad State: NM Zip: 88220 Phone #: 254-266-5456 Fax #: Project #: 237481 Project Owner: DEVON Project Name: Thistle Unit #46 Project Location: Lea Co, NM Sampler Name: Kellen Smith		BILL TO P.O. #: Company: Devon Energy Attn: Wes Matthews Address: 6488 Seven River City: Artesia State: NM Zip: 88210 Phone #: Fax #:		ANALYSIS REQUEST																	
FOR LAB USE ONLY Lab I.D. H234131		Sample I.D. SW-30 SW-31 SW-32 SW-33 SW-34 SW-35 SW-36 SW-37 SW-38 SW-39		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV. ACID/BASE ICE/COOL OTHER:		SAMPLING DATE TIME		BTCEX 802UB TPH 8015M Chloride 4500											
								8/3/23													

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Relinquished By: 		Date: 8-3-23 Time: 1431		Received By: 		Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		Date:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.9 Corrected Temp. °C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 Correction Factor 0°C	
						2 Day		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: **NTG Environmental**
 Project Manager: **Ethan Seemans**
 Address: **209 W McKay St**
 City: **Carlsbad** State: **NM** Zip: **88220**
 Phone #: **254-266-5456** Fax #:
 Project #: **237481** Project Owner: **DEVON**
 Project Name: **Thistle Unit #46**
 Project Location: **Lea Co, NM**
 Sampler Name: **Kellan Smith**

BILL TO

P.O. #:

Company: **Deven Energy**

Attn: **Wes Matthews**

Address: **6488 Seven River**

City: **Artesia**

State: **NM** Zip: **88210**

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

DATE

TIME

MATRIX

PRESERV.

SAMPLING

BTEx

TPH

Chloride

x

x

x

x

x

x

x

x

x

*

8/3/23

8/3/23

8-3-23

H234131

21

SW-40



22

SU-41

23

CS-73

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Relinquished By: 		Date: 8-3-23	Received By: 	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:		Time: 1431	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Date:	Received By:	REMARKS: * Customer requested I added to end of COC. to 8/3/23	
Sampler - UPS - Bus - Other:		Time:	Time:	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition
Observed Temp. °C 4.9	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) T.O.	Thermometer ID #140	Cool Intact	Observed Temp. °C
Corrected Temp. °C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Correction Factor 0°C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
			2 Day	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrected Temp. °C

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

August 14, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/04/23 13:14.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 30 (4')	H234165-01	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 74 (2')	H234165-02	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 75 (2')	H234165-03	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 76 (2')	H234165-04	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 77 (0.5')	H234165-05	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 78 (0.5')	H234165-06	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 79 (0.5')	H234165-07	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 80 (0.5')	H234165-08	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 43 (0.5-2')	H234165-09	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 44 (0-0.5')	H234165-10	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 45 (0-0.5')	H234165-11	Soil	04-Aug-23 11:50	04-Aug-23 13:14
SW - 46 (0-0.5')	H234165-12	Soil	04-Aug-23 11:52	04-Aug-23 13:14

08/14/23 - Client changed the sample IDs on some of the samples (see COC). This is the revised report and will replace the one sent on 08/08/23.

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

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 30 (4')
H234165-01 (Soil)

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

Chloride	176		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	96.7 %	71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane	91.5 %	48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane	99.0 %	49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 74 (2')
H234165-02 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			97.2 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.5 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.3 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 75 (2')
H234165-03 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.2 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.3 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 76 (2')
H234165-04 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 77 (0.5')**H234165-05 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.9 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			116 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			126 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 78 (0.5')**H234165-06 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	11.7		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			106 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 79 (0.5')**H234165-07 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.6 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 80 (0.5')**H234165-08 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	54.9		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	17.6		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 43 (0.5-2')**H234165-09 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			93.8 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 44 (0-0.5')**H234165-10 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			113 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 45 (0-0.5')**H234165-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.8 %	48.2-134		3080440	MS	05-Aug-23	8015B	
---------------------------	--	--	--------	----------	--	---------	----	-----------	-------	--

Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3080440	MS	05-Aug-23	8015B	
-------------------------------	--	--	-------	----------	--	---------	----	-----------	-------	--

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 46 (0-0.5')**H234165-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.0 %		71.5-134	3080502	MS	06-Aug-23	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			100 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		49.1-148	3080440	MS	05-Aug-23	8015B	
-------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3080720 - 1:4 DI Water									
Blank (3080720-BLK1)					Prepared & Analyzed: 07-Aug-23				
Chloride	ND	16.0	mg/kg						
LCS (3080720-BS1)					Prepared & Analyzed: 07-Aug-23				
Chloride	416	16.0	mg/kg	400	104	80-120			
LCS Dup (3080720-BSD1)					Prepared & Analyzed: 07-Aug-23				
Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20	

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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080502 - Volatiles**Blank (3080502-BLK1)**

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.6	71.5-134			

LCS (3080502-BS1)

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.18	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.12	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.18	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.5	71.5-134			

LCS Dup (3080502-BSD1)

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	0.577	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	0.949	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.121	16	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129	0.424	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		101	86.1-125	0.686	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128	0.0618	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0460		mg/kg	0.0500		92.0	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080440 - General Prep - Organics**Blank (3080440-BLK1)**

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.5		mg/kg	50.0		93.1	49.1-148			

LCS (3080440-BS1)

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	165	10.0	mg/kg	200		82.3	66.4-123			
DRO >C10-C28	167	10.0	mg/kg	200		83.6	66.5-118			
Total TPH C6-C28	332	10.0	mg/kg	400		83.0	77.6-123			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	48.2-134			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	49.1-148			

LCS Dup (3080440-BSD1)

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	170	10.0	mg/kg	200		85.2	66.4-123	3.39	17.7	
DRO >C10-C28	166	10.0	mg/kg	200		83.1	66.5-118	0.522	21	
Total TPH C6-C28	337	10.0	mg/kg	400		84.2	77.6-123	1.44	18.5	
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	48.2-134			
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	49.1-148			

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H234165Page 1 of 2

Page 19 of 20

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit 46		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:	237481	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													None: NO	DI Water: H ₂ O	
Project Location:	Lea Co, NM	Due Date:	48 hr														Cool: Cool	MeOH: Me	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN	
PO #:	21177730																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD								H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140								NaHSO ₄ : NABIS								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:									Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.4°C								Zn Acetate+NaOH: Zn								
Total Containers:	12	Corrected Temperature:									NaOH+Ascorbic Acid: SAPC								
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont										Sample Comments		
CS-30 (4')		4.4.23		X		Comp	1	X	X	X									
CS-74 (2')																			
CS-75 (2')																			
CS-76 (2')																			
CS-77 (0.5')																			
CS-78 (0.5')																			
CS-79 (0.5')																			
CS-80 (0.5')																			
SW-453 (0.5-2')		*																	
SW-484 (0-0.5')																			

Additional Comments:

* Customer requested ID changes to 8/11/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	8-4-23 1314	2		
3			4		
5			6		

Chain of Custody



Work Order No:

H234165

Page 2 of 2

Page 20 of 20

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dmv.com

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

Project Name:		Thistle Unit 46		Turn Around		ANALYSIS REQUEST										Preservative Codes			
Project Number:	237481	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code												None: NO	DI Water: H ₂ O		
Project Location	Lea Co, NM	Due Date:	48hr	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD								Cool: Cool	MeOH: Me		
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN		
PO #:	21177730															H ₂ SO ₄ : H ₂	NaOH: Na		
																H ₃ PO ₄ : HP			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140											NaHSO ₄ : NABIS	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:												Na ₂ S ₂ O ₃ : NaSO ₃					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.4°C											Zn Acetate+NaOH: Zn					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:												NaOH+Ascorbic Acid: SAPC					
Total Containers:	12																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments		
11 SW-475 (0-0.5')	4-4-23	11:50	X		Comp	1	X	X	X										
12 SW-486 (0-0.5')	4-4-23	11:52	X		Comp	1	X	X	X										

Additional Comments:

* Customer requested ID changes. TO: 8/11/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8/23 1314	2		
3			4		
5			6		

Revised Date 05/12/2020 Rev. 2020.1

Report to:
Ethan Sessums



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: Thistle Unit #46H

Work Order: E308234

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/5/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/5/23

Ethan Sessums
911 Regional Park Dr.
Houston, TX 77060



Project Name: Thistle Unit #46H
Workorder: E308234
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: Thistle Unit #46H.

The analytical test results summarized in this report with the Project Name: Thistle Unit #46H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 09/05/23 15:00
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-66	E308234-01A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-81	E308234-02A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-82	E308234-03A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-83	E308234-04A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-84	E308234-05A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-85	E308234-06A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-86	E308234-07A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-87	E308234-08A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-88	E308234-09A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-89	E308234-10A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-90	E308234-11A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-91	E308234-12A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-92	E308234-13A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-93	E308234-14A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-94	E308234-15A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-95	E308234-16A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-96	E308234-17A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-97	E308234-18A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-98	E308234-19A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-99	E308234-20A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-100	E308234-21A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-101	E308234-22A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-102	E308234-23A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-103	E308234-24A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-104	E308234-25A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-105	E308234-26A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-106	E308234-27A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-1B	E308234-28A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-7B	E308234-29A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-13B	E308234-30A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-15B	E308234-31A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-16B	E308234-32A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-17B	E308234-33A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-18B	E308234-34A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-20B	E308234-35A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-42	E308234-36A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-47	E308234-37A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-48	E308234-38A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-66

E308234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	107 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	107 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	218	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	87.3	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane	88.3 %	50-200		09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	180	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-81

E308234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.3	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.1 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	174	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-82

E308234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	28.7	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		87.0 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	183	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-83

E308234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	142	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-84

E308234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		106 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		106 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	32.2	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		84.2 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	202	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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CS-85

E308234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		85.0 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	179	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-86

E308234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		84.1 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	202	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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CS-87

E308234-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	25.4	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		87.9 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	208	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-88

E308234-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.4 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	169	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-89

E308234-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.5	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		87.9 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	201	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-90

E308234-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	27.6	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		86.4 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	194	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-91

E308234-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	27.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.2 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	192	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-92

E308234-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.4	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.4 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	192	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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CS-93

E308234-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	30.0	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.3 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	167	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-94

E308234-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		84.3 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	159	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-95

E308234-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	36.4	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		84.4 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	205	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-96

E308234-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.5 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	197	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-97

E308234-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	106 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	106 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane	85.0 %	50-200		09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	ND	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-98

E308234-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.6 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	137	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-99

E308234-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.4 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	149	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-100

E308234-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.0 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	425	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-101

E308234-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		89.3 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	328	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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CS-102
E308234-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	470	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-103

E308234-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.0 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	23.3	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-104

E308234-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.3 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	105	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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CS-105
E308234-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	122 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	111 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	122 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	111 %	70-130		09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	35.5	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane	92.0 %	50-200		09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	199	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

CS-106

E308234-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		90.7 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	157	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-1B

E308234-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		91.1 %	50-200	09/01/23	09/01/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	213	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-7B

E308234-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	37.9	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.4 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	172	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-13B

E308234-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.3 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	186	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-15B

E308234-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.9 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	198	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-16B

E308234-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		91.3 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	167	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-17B

E308234-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	32.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	192	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-18B

E308234-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	29.1	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.3 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	199	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-20B

E308234-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	27.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.9 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	192	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-42

E308234-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.8 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	190	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-47

E308234-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		95.8 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	30.7	20.0	1	08/31/23	09/01/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 01058-0007
Project Manager: Ethan Sessums

Reported:
9/5/2023 3:00:10PM

SW-48

E308234-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		93.7 %	50-200	09/01/23	09/02/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	39.5	20.0	1	08/31/23	09/01/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported: 9/5/2023 3:00:10PM
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335081-BLK1) Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2335081-BS1) Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.79	0.0250	2.50		112	70-130			
Ethylbenzene	2.85	0.0250	2.50		114	70-130			
Toluene	2.86	0.0250	2.50		114	70-130			
o-Xylene	2.97	0.0250	2.50		119	70-130			
p,m-Xylene	5.86	0.0500	5.00		117	70-130			
Total Xylenes	8.83	0.0250	7.50		118	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike (2335081-MS1) Source: E308234-07 Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.59	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.92	0.0250	2.50	ND	117	43-135			
p,m-Xylene	5.70	0.0500	5.00	ND	114	43-135			
Total Xylenes	8.62	0.0250	7.50	ND	115	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2335081-MSD1) Source: E308234-07 Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.36	0.0250	2.50	ND	94.5	48-131	9.11	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	4.05	27	
Toluene	2.59	0.0250	2.50	ND	103	48-130	3.05	24	
o-Xylene	2.81	0.0250	2.50	ND	112	43-135	3.89	27	
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135	3.64	27	
Total Xylenes	8.31	0.0250	7.50	ND	111	43-135	3.73	27	
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/5/2023 3:00:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2335082-BLK1) Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.612		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

LCS (2335082-BS1) Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.36	0.0250	2.50		94.4	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.48	0.0500	5.00		110	70-130			
Total Xylenes	8.21	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

Matrix Spike (2335082-MS1) Source: E308234-27 Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.65	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135			
Toluene	2.72	0.0250	2.50	ND	109	48-130			
o-Xylene	2.87	0.0250	2.50	ND	115	43-135			
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.64	0.0250	7.50	ND	115	43-135			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

Matrix Spike Dup (2335082-MSD1) Source: E308234-27 Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.47	0.0250	2.50	ND	98.8	48-131	7.18	23	
Ethylbenzene	2.54	0.0250	2.50	ND	101	45-135	5.56	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	5.80	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	6.19	27	
p,m-Xylene	5.44	0.0500	5.00	ND	109	43-135	5.89	27	
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135	5.99	27	
Surrogate: Bromofluorobenzene	0.613		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335081-BLK1) Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS (2335081-BS2) Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	65.6	20.0	50.0		131	70-130			L2
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2335081-MS2) Source: E308234-07 Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	67.6	20.0	50.0	ND	135	70-130			M7
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

Matrix Spike Dup (2335081-MSD2) Source: E308234-07 Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	67.0	20.0	50.0	ND	134	70-130	0.916	20	M7
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335082-BLK1) Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.612		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

LCS (2335082-BS2) Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

Matrix Spike (2335082-MS2) Source: E308234-27 Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			

Matrix Spike Dup (2335082-MSD2) Source: E308234-27 Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130	0.276	20	
Surrogate: Bromofluorobenzene	0.615		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335097-BLK1)					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			

LCS (2335097-BS1)					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	221	25.0	250		88.6	38-132			
Surrogate: n-Nonane	40.3		50.0		80.6	50-200			

Matrix Spike (2335097-MS1)					Source: E308234-05		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	257	25.0	250	32.2	89.9	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			

Matrix Spike Dup (2335097-MSD1)					Source: E308234-05		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	257	25.0	250	32.2	90.0	38-132	0.147	20	
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335099-BLK1)					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			

LCS (2335099-BS1)					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			

Matrix Spike (2335099-MS1)					Source: E308234-25		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.2	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			

Matrix Spike Dup (2335099-MSD1)					Source: E308234-25		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132	1.91	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335088-BLK1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	ND	20.0							
LCS (2335088-BS1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2335088-MS1)					Source: E308234-01		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	440	20.0	250	180	104	80-120			
Matrix Spike Dup (2335088-MSD1)					Source: E308234-01		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	441	20.0	250	180	104	80-120	0.154	20	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335089-BLK1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	ND	20.0							
LCS (2335089-BS1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335089-MS1)					Source: E308234-21		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	638	20.0	250	425	85.4	80-120			
Matrix Spike Dup (2335089-MSD1)					Source: E308234-21		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	697	20.0	250	425	109	80-120	8.71	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/05/23 15:00

- L2 The LCS spike recovery was above acceptance limits. This analyte was not detected in the sample.
- M7 Matrix Spike was outside the acceptance limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody


 Work Order No: E308234
 Job # 01058-0007
Page 1 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:	Thistle Unit #46H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H ₂ O								
Project Location:	Lea Co. NM		Due Date: 48hr								Cool: Cool		MeOH: Me								
Sampler's Name:	Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm								HCL: HC		HNO ₃ : HN								
PO #:	21211758										H ₂ SO ₄ : H ₂		NaOH: Na								
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:																		
Cooler Custody Seals:		Yes No N/A	Correction Factor:																		
Sample Custody Seals:		Yes No N/A	Temperature Reading:		4																
Total Containers:				Corrected Temperature:																	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-66		8/30/2023		x		Comp	1	x	x	x								1			
CS-81		8/30/2023		x		Comp	1	x	x	x								2			
CS-82		8/30/2023		x		Comp	1	x	x	x								3			
CS-83		8/30/2023		x		Comp	1	x	x	x								4			
CS-84		8/30/2023		x		Comp	1	x	x	x								5			
CS-85		8/30/2023		x		Comp	1	x	x	x								6			
CS-86		8/30/2023		x		Comp	1	x	x	x								7			
CS-87		8/30/2023		x		Comp	1	x	x	x								8			
CS-88		8/30/2023		x		Comp	1	x	x	x								9			
CS-89		8/30/2023		x		Comp	1	x	x	x								10			

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>Michelle Camp</i>	8/31/23 10:25	<i>Michelle Camp</i>	<i>Andrew Mufson</i>	8/31/23 2:00
3 <i>[Signature]</i>	<i>Carter Man</i>	9/1/23 5:45			
5					



Chain of Custody

 Work Order No: E308234
 Job # 01058-0007

Page 2 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dyn.com

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

Project Name:		Thistle Unit #46H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O							
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me							
Sampler's Name:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN							
PO #:		21211758																		H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H ₃ PO ₄ : HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-90		8/30/2023				x				Comp		1		x x x												11	
CS-91		8/30/2023				x				Comp		1		x x x												12	
CS-92		8/30/2023				x				Comp		1		x x x												13	
CS-93		8/30/2023				x				Comp		1		x x x												14	
CS-94		8/30/2023				x				Comp		1		x x x												15	
CS-95		8/30/2023				x				Comp		1		x x x												16	
CS-96		8/30/2023				x				Comp		1		x x x												17	
CS-97		8/30/2023				x				Comp		1		x x x												18	
CS-98		8/30/2023				x				Comp		1		x x x												19	
CS-99		8/30/2023				x				Comp		1		x x x												20	

Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1 <i>DM</i>		<i>Michelle Emyls</i>		8-31-23 10:25		2 <i>Michelle Emyls</i>		<i>Andrew Messo</i>		8-31-23 2:00	
3 <i>Andrew Messo</i>		<i>Caitie Man</i>		9/1/23 5:45		4					
5						6					



Work Order No: E308234
Job # 01058-0007

Page 3 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

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

[illegible]

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>MM</i>	<i>Michelle Cuyler</i>	8-31-23 10:25	2 <i>Michelle Cuyler</i>	<i>Andrew Merro</i>	8-31-23 2:00
3 <i>Andrew Merro</i>	<i>Castle Man</i>	9/1/23 5:45	4		
5			6		



Chain of Custody

 Work Order No: E308234
 Job # 01058-0007
Page 4 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit #46H		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O			
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me			
Sampler's Name:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN			
PO #:		21211758																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H ₃ PO ₄ : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
SW-15B		8/30/2023		x		Comp	1	x	x	x									31				
SW-16B		8/30/2023		x		Comp	1	x	x	x									32				
SW-17B		8/30/2023		x		Comp	1	x	x	x									33				
SW-18B		8/30/2023		x		Comp	1	x	x	x									34				
SW-20B		8/30/2023		x		Comp	1	x	x	x									35				
SW-42		8/30/2023		x		Comp	1	x	x	x									36				
SW-47		8/30/2023		x		Comp	1	x	x	x									37				
SW-48		8/30/2023		x		Comp	1	x	x	x									38				

Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1 <i>Andra m-sho</i>		2 <i>Michelle Gung</i>		8/31/23 10:25	3 <i>Michelle Gung</i>		4 <i>Andra m-sho</i>		8/31/23 2:00
3 <i>Andra m-sho</i>		4 <i>Carth Man</i>		9/1/23 5:45	5		6		

Envirotech Analytical Laboratory

Printed: 9/1/2023 10:07:54AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	09/01/23 05:45	Work Order ID:	E308234
Phone:	(281) 872-9300	Date Logged In:	08/31/23 14:16	Logged In By:	Caitlin Mars
Email:	esessums@ntglobal.com	Due Date:	09/05/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client. SRC email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

August 07, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 14:31.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 67 (4') (H234131-01)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1410	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 68 (4') (H234131-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 69 (4') (H234131-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 70 (4') (H234131-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	400	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 71 (4') (H234131-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 72 (2') (H234131-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 26 (0-4') (H234131-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1120	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 27 (0-4') (H234131-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 28 (0-4') (H234131-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3920	16.0	08/07/2023	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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	16.6	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 29 (0-4') (H234131-10)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	0.682	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	0.860	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	7.76	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	9.31	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 216 % 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	496	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	380	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	5840	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	1120	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 30 (H234131-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	0.159	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/07/2023	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*	11.9	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	641	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	175	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 31 (H234131-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	08/07/2023	ND	432	108	400	3.64	QM-07	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	10.5	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 32 (H234131-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	2400	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	587	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	174	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 33 (H234131-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 34 (H234131-15)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2000	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	39.2	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 35 (H234131-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4000	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 36 (H234131-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 37 (H234131-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	784	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	163	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	36.1	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 38 (H234131-19)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 39 (H234131-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 40 (H234131-21)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEX	<0.300	0.300	08/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/07/2023	ND	432	108	400	3.64		

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 41 (H234131-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63	
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77	
Total BTEX	<0.300	0.300	08/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/07/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 73 (H234131-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEx	<0.300	0.300	08/05/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2023	ND	432	108	400	3.64	

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	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTG Environmental Project Manager: Ethan Sevens Address: 209 W McKay St City: Carlsbad State: NM Zip: 88220 Phone #: 254-266-5456 Fax #: Project #: 237481 Project Owner: DEVON Project Name: Thistle Unit #46 Project Location: Lea Co, NM Sampler Name: Kellan Smith				BILL TO P.O. #: Company: Devon Energy Attn: Wes Matthews Address: 6488 Seven River City: Artesia State: NM Zip: 88210 Phone #: Fax #:		ANALYSIS REQUEST																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER		ACID/BASE ICE / COOL OTHER		DATE		TIME											
H234131		CS - 67 (4')		C		1		X		✓		8/3/23													
1		CS - 68 (4')		C		1																			
2		CS - 69 (4')		C		1																			
3		CS - 70 (4')		C		1																			
4		CS - 71 (4')		C		1																			
5		CS - 72 (2')		C		1																			
6		SW - 26 (0-4')		C		1																			
7		SW - 27 (0-4')		C		1																			
8		SW - 28 (0-4')		C		1																			
9		SW - 29 (0-4')		C		1																			
10																									

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Relinquished By: Relinquished By: _____ Date: 8-3-23 Time: 1431		Received By: Received By: _____ Date: _____ Time: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.9 Corrected Temp. °C		Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time: 2 Day		Standard Rush		Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	

Thermometer ID #140 Correction Factor 0°C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTG Environmental</u> Project Manager: <u>Ethan Sevens</u> Address: <u>209 W McKay St</u> City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u> Phone #: <u>254-266-5456</u> Fax #: Project #: <u>237481</u> Project Owner: <u>DEVON</u> Project Name: <u>Thistle Unit #46</u> Project Location: <u>Lea Co, NM</u> Sampler Name: <u>Kellen Smith</u>		BILL TO P.O. #: Company: <u>Devon Energy</u> Attn: <u>Wes Matthews</u> Address: <u>6488 Seven River</u> City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u> Phone #: Fax #:		ANALYSIS REQUEST													
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTCEX 802UB		TPH 8015M		Chloride 4500	
Lab I.D.	Sample I.D.	(G/RAB OR COMP)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER					
H234131	SW-30	C	1			X							8/3/23				
11	SW-31	C															
12	SW-32	C															
13	SW-33	C															
14	SW-34	C															
15	SW-35	C															
16	SW-36	C															
17	SW-37	C															
18	SW-38	C															
19	SW-39	C															
20	SW-39	C															

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Relinquished By: <u>[Signature]</u>	Date: <u>8-3-23</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1431</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>4.9</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 2 Day
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>[Signature]</u>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C
			Thermometer ID #140 Correction Factor 0°C
			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: **NTG Environmental**
 Project Manager: **ETHAN JENNINS**
 Address: **209 W MCKAY ST**
 City: **Carlsbad** State: **NM** Zip: **88220**
 Phone #: **254-266-5456** Fax #:
 Project #: **237481** Project Owner: **DEVON**
 Project Name: **Thistle Unit #46**
 Project Location: **Lea Co, NM**
 Sampler Name: **Kellan Smith**

BILL TO

P.O. #:

Company: **Devon Energy**

Attn: **Wes Matthews**

Address: **6488 Seven River**

City: **Artesia**

State: **NM** Zip: **88210**

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(GRAB OR COMPOSITE)

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE/COOL

OTHER

DATE

TIME

MATRIX

PRESERV.

SAMPLING

BTEx 8021B

TPH 8015M

Chloride 450C

x

x

x

x

x

x

x

x

x



*

8/3/23

8/3/23

8-3-23

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Relinquished By: 		Date: 8-3-23 Time: 1431	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	
Relinquished By:		Date:	Received By:		REMARKS: * Customer requested I added to end of COC. to 8/3/23	
Delivered By: (Circle One)		Observed Temp. °C 4.9	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) T.O.	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C _____ Thermometer ID #140 Correction Factor 0°C 2 Day <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C _____	
Sampler - UPS - Bus - Other:		Corrected Temp. °C				

FORM-000 R 3.4 07/11/23

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

August 14, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/04/23 13:14.

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

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

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

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 30 (4')	H234165-01	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 74 (2')	H234165-02	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 75 (2')	H234165-03	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 76 (2')	H234165-04	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 77 (0.5')	H234165-05	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 78 (0.5')	H234165-06	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 79 (0.5')	H234165-07	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 80 (0.5')	H234165-08	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 43 (0.5-2')	H234165-09	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 44 (0-0.5')	H234165-10	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 45 (0-0.5')	H234165-11	Soil	04-Aug-23 11:50	04-Aug-23 13:14
SW - 46 (0-0.5')	H234165-12	Soil	04-Aug-23 11:52	04-Aug-23 13:14

08/14/23 - Client changed the sample IDs on some of the samples (see COC). This is the revised report and will replace the one sent on 08/08/23.

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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 30 (4')
H234165-01 (Soil)

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

Chloride	176		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134 3080502 MS 06-Aug-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane 91.5 % 48.2-134 3080440 MS 05-Aug-23 8015B

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148 3080440 MS 05-Aug-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 74 (2')
H234165-02 (Soil)

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

Chloride	48.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.2 %		71.5-134	3080502	MS	06-Aug-23	8021B	
---------------------------------------	--	--	--------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			90.5 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.3 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 75 (2')
H234165-03 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.2 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.3 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 76 (2')
H234165-04 (Soil)

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 77 (0.5')**H234165-05 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.9 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			116 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			126 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 78 (0.5')**H234165-06 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	11.7		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			106 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 79 (0.5')**H234165-07 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.6 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

CS - 80 (0.5')**H234165-08 (Soil)**

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

Chloride	16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	54.9		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	17.6		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 43 (0.5-2')**H234165-09 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			93.8 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 44 (0-0.5')**H234165-10 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			113 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 45 (0-0.5')**H234165-11 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.8 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

SW - 46 (0-0.5')**H234165-12 (Soil)**

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

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.0 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			100 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		49.1-148	3080440	MS	05-Aug-23	8015B	
-------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3080720 - 1:4 DI Water									
Blank (3080720-BLK1)					Prepared & Analyzed: 07-Aug-23				
Chloride	ND	16.0	mg/kg						
LCS (3080720-BS1)					Prepared & Analyzed: 07-Aug-23				
Chloride	416	16.0	mg/kg	400	104	80-120			
LCS Dup (3080720-BSD1)					Prepared & Analyzed: 07-Aug-23				
Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080502 - Volatiles**Blank (3080502-BLK1)**

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.6	71.5-134			

LCS (3080502-BS1)

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.18	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.12	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.18	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.5	71.5-134			

LCS Dup (3080502-BSD1)

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	0.577	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	0.949	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.121	16	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129	0.424	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		101	86.1-125	0.686	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128	0.0618	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0460		mg/kg	0.0500		92.0	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: THISTLE UNIT #46
Project Number: 237481
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
14-Aug-23 15:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3080440 - General Prep - Organics**Blank (3080440-BLK1)**

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.5		mg/kg	50.0		93.1	49.1-148			

LCS (3080440-BS1)

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	165	10.0	mg/kg	200		82.3	66.4-123			
DRO >C10-C28	167	10.0	mg/kg	200		83.6	66.5-118			
Total TPH C6-C28	332	10.0	mg/kg	400		83.0	77.6-123			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	48.2-134			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	49.1-148			

LCS Dup (3080440-BSD1)

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	170	10.0	mg/kg	200		85.2	66.4-123	3.39	17.7	
DRO >C10-C28	166	10.0	mg/kg	200		83.1	66.5-118	0.522	21	
Total TPH C6-C28	337	10.0	mg/kg	400		84.2	77.6-123	1.44	18.5	
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	48.2-134			
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 14234165Page 1 of 2

Page 19 of 20

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

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

Project Name:		Thistle Unit 46		Turn Around		ANALYSIS REQUEST												Preservative Codes	
Project Number:	237481	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													None: NO	DI Water: H ₂ O	
Project Location	Lea Co, NM	Due Date:	48 hr														Cool: Cool	MeOH: Me	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN	
PO #	21177730																H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD								H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140								NaHSO ₄ : NABIS								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:									Na ₂ S ₂ O ₃ : NaSO ₃								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.4°C								Zn Acetate+NaOH: Zn								
Total Containers:	12	Corrected Temperature:									NaOH+Ascorbic Acid: SAPC								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments	
CS-30 (4')	4.4.23		X		Comp	1	X	X	X										
CS-74 (2')																			
CS-75 (2')																			
CS-76 (2')																			
CS-77 (0.5')																			
CS-78 (0.5')																			
CS-79 (0.5')																			
CS-80 (0.5')																			
SW-453 (0.5-2')	*																		
SW-484 (0-0.5')																			

Additional Comments:

* Customer requested ID changes to 8/11/23

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	8-4-23 1314	2		
3			4		
			6		
5					

Chain of Custody

Work Order No: H234165Page 2 of 2

Page 20 of 20

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dmv.com

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes								
Project Number:	237481	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H ₂ O					
Project Location:	Lea Co, NM	Due Date:	48 hr													Cool: Cool	MeOH: Me					
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN					
PO #:	21177730															H ₂ SO ₄ : H ₂	NaOH: Na					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD												
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	740																			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.4°C																			
Total Containers:	12	Corrected Temperature:																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																
SW-475 (0-0.5')	4-4-23	11:50	X		Comp	1	X	X	X													
SW-486 (0-0.5')	4-4-23	11:52	X		Comp	1	X	X	X													

Additional Comments:

* Customer requested ID changes. TO: 8/11/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		8/23 1314	2		
3			4		
5			6		

Revised Date 05/12/2020 Rev. 2020.1



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

October 04, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 15:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 (0-6") (H235319-01)

BTEX 8021B	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.58	0.200	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	17.8	0.200	10/02/2023	ND	2.17	109	2.00	6.80	QM-07
Ethylbenzene*	5.63	0.200	10/02/2023	ND	2.17	108	2.00	8.26	QM-07
Total Xylenes*	37.1	0.600	10/02/2023	ND	5.93	98.9	6.00	8.99	QM-07
Total BTEX	63.1	1.20	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 276 % 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	160	16.0	10/02/2023	ND	432	108	400	3.64	

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	999	10.0	09/29/2023	ND	189	94.7	200	1.85	
DRO >C10-C28*	6480	10.0	09/29/2023	ND	217	109	200	2.69	
EXT DRO >C28-C36	1510	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 194 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 (1-1.5') (H235319-02)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.33	1.00	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	53.0	1.00	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	18.7	1.00	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	80.8	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	157	6.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	320	16.0	10/02/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1640	10.0	09/29/2023	ND	189	94.7	200	1.85	
DRO >C10-C28*	3760	10.0	09/29/2023	ND	217	109	200	2.69	
EXT DRO >C28-C36	764	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 154 % 48.2-134

Surrogate: 1-Chlorooctadecane 161 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 (2-2.5') (H235319-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.65	1.00	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	21.9	1.00	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	9.06	1.00	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	41.0	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	73.6	6.00	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/02/2023	ND	432	108	400	3.64	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	658	10.0	09/29/2023	ND	189	94.7	200	1.85	
DRO >C10-C28*	1720	10.0	09/29/2023	ND	217	109	200	2.69	
EXT DRO >C28-C36	347	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 (3-3.5') (H235319-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.34	1.00	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	39.3	1.00	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	15.5	1.00	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	73.6	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	133	6.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	80.0	16.0	10/02/2023	ND	432	108	400	3.64	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1330	10.0	09/29/2023	ND	185	92.4	200	0.410	QM-07, QR-03
DRO >C10-C28*	2930	10.0	09/29/2023	ND	189	94.7	200	2.17	QM-07, QR-03
EXT DRO >C28-C36	456	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 190 % 48.2-134

Surrogate: 1-Chlorooctadecane 197 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 (4-4.5') (H235319-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.877	0.500	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	12.4	0.500	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	7.64	0.500	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	41.2	1.50	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	62.1	3.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/02/2023	ND	432	108	400	3.64	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1250	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	3240	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	521	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 199 % 48.2-134

Surrogate: 1-Chlorooctadecane 227 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 (0-6") (H235319-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.07	103	2.00	6.42		
Toluene*	0.064	0.050	10/02/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.93	98.9	6.00	8.99		
Total BTEX	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	272	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	77.6	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	11.3	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 (1-1.5') (H235319-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42	
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	<0.300	0.300	10/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 (2-2.5') (H235319-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42	
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	<0.300	0.300	10/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	64.0	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	25.3	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 (3-3.5') (H235319-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 (4-4.5') (H235319-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 (0-6") (H235319-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEX	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	512	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	1290	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	326	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 (1-1.5') (H235319-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	688	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	920	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	241	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 (2-2.5') (H235319-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/29/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/29/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/29/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	42.9	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 (3-3.5') (H235319-14)

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	09/29/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/29/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/29/2023	ND	5.84	97.3	6.00	2.85		
Total BTEx	<0.300	0.300	09/29/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	13.3	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 (4-4.5') (H235319-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEx	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 (0-6") (H235319-16)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	18.8	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 (1-1.5') (H235319-17)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 (2-2.5') (H235319-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEx	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 (3-3.5') (H235319-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 (4-4.5') (H235319-20)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 5 (0-6") (H235319-21)

BTEx 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32	
Toluene*	1.31	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75	
Ethylbenzene*	3.27	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77	
Total Xylenes*	16.7	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85	GC-NC1
Total BTEX	21.3	0.300	09/30/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 179 % 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	2120	16.0	10/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	452	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	4740	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	801	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 231 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 5 (1-1.5') (H235319-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEx	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	146	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	22.2	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 5 (2-2.5') (H235319-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	240	16.0	10/02/2023	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	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 5 (3-3.5') (H235319-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/02/2023	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	10/01/2023	ND	188	94.1	200	3.30	
DRO >C10-C28*	<10.0	10.0	10/01/2023	ND	188	94.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	10/01/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/28/2023
 Reported: 10/04/2023
 Project Name: THISTLE UNIT #46
 Project Number: 237481
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 5 (4-4.5') (H235319-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	2.01	101	2.00	1.37	
Toluene*	<0.050	0.050	10/02/2023	ND	2.16	108	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.17	108	2.00	1.35	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.54	109	6.00	1.11	
Total BTEx	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	256	16.0	10/02/2023	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	10/01/2023	ND	188	94.1	200	3.30	
DRO >C10-C28*	<10.0	10.0	10/01/2023	ND	188	94.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	10/01/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1/3

Company Name: NIG Environmental Project Manager: Ethan Sessums Address: 209 W McWay St City: Carlsbad State: NM Zip: 88220 Phone #: Fax #: Project #: 237481 Project Owner: Devon Project Name: Thistle Unit #046 Project Location: here to NM Sampler Name: Dmitry Kisevov				BILL TO P.O. #: 21177730 Company: Devon Attn: Dale Woodell Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST																			
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		G (G/RAB OR C/COMP.)		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		DATE		TIME		BTEX		TPH		CHLORIDE	
		4235319		1 V-1 (0-6")		G		-		GROUNDWATER		X		X		9/28/13				X		X		X	
		2 V-1 (1-1.5')								WASTEWATER															
		3 V-1 (2-2.5')								SOIL															
		4 V-1 (3-3.5')								OIL															
		5 V-1 (4-4.5')								SLUDGE															
		6 V-2 (0-6")								OTHER:															
		7 V-2 (1-1.5')								ACID/BASE:															
		8 V-2 (2-2.5')								ICE / COOL															
		9 V-2 (3-3.5')								OTHER:															
		10 V-2 (4-4.5')																							

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Relinquished By: <i>DN</i> Date: 9/28/13 Time: 15:00 Relinquished By:		Received By: <i>DN</i> Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 4.0°C Corrected Temp. °C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Sample Condition Observed Temp. °C Corrected Temp. °C	
Thermometer ID #140 Correction Factor 0°C		CHECKED BY: (Initials) <i>OK</i>		REMARKS:	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2/3

Company Name: NTG Environmental		BILL TO		ANALYSIS REQUEST						
Project Manager:		P.O. #: 21177750								
Address:		Company: Dewon								
City:	State:	Zip:	Attn:							
Phone #:	Fax #:	Address:								
Project #:	Project Owner:	City:								
Project Name: Thistle Unit #046	State:	Zip:								
Project Location:	Phone #:									
Sampler Name:		Fax #:								
FOR LAB USE ONLY										
Lab I.D.	Sample I.D.			MATRIX		PRESERV.	SAMPLING			
H235319	V-3	50 G/RAB OR (C)OMP.		GROUNDWATER			DATE		TIME	
11	(10-6")			WASTEWATER			9/28/23			
12	(1-1.5')			SOIL		X			X	
13	(2-2.5')			OIL					X	
14	(3-3.5')			SLUDGE					X	
15	(4-4.5')			OTHER:						
16	(10-6")			ACID/BASE:						
17	(1-1.5')			ICE / COOL		X				
18	(2-2.5')			OTHER:						
19	(3-3.5')									
20	(4-4.5')									

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Relinquished By: DA	Date: 9/28/23	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 15:00	Date:	Received By:	All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	REMARKS:	
Time:	Date:	Received By:		
Delivered By: (Circle One)	Observed Temp. °C 4.02	Sample Condition	CHECKED BY: [Signature]	Turnaround Time: Standard
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Rush <input type="checkbox"/>
			Thermometer ID #140	Bacteria (only) Sample Condition
			Correction Factor 0°C	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
				Observed Temp. °C
				Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3/3

Company Name: <u>NTG Environmental</u>		BILL TO		ANALYSIS REQUEST									
Project Manager:		P.O. #: <u>21177750</u>		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDE</div> </div>									
Address:		Company: <u>Dewu</u>											
City:		Attn:											
State:		Address:											
Zip:		City:											
Phone #:		State:											
Fax #:		Zip:											
Project #:		Project Owner:											
Project Name: <u>Thistle Unit #046</u>		Phone #:											
Project Location:		Fax #:											
Sampler Name:													

FOR LAB USE ONLY		MATRIX		PRESERV.	SAMPLING									
Lab I.D.	Sample I.D.	(G/RAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME
H235319	(0-6")	G	1			X					X		9/28/23	
21 VS	(1-1.5")													
22	(2-2.5")													
23	(3-3.5")													
24	(4-4.5")													
25														

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>	Date: <u>9/28/23</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>15:00</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>4.02</u>	Sample Condition Cool Intact	Turnaround Time: <u>Standard</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #140
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor 0°C
		CHECKED BY: (Initials) <u>DA</u>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			Corrected Temp. °C

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Report to:
Ethan Sessums



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

NTG-New Tech Global Environmental

Project Name: Thistle Unit #46H

Work Order: E311096

Job Number: 21106-0001

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/14/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/14/23

Ethan Sessums
911 Regional Park Dr.
Houston, TX 77060



Project Name: Thistle Unit #46H
Workorder: E311096
Date Received: 11/13/2023 7:00:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 7:00:00AM, under the Project Name: Thistle Unit #46H.

The analytical test results summarized in this report with the Project Name: Thistle Unit #46H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	11/14/23 14:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 5-5.5'	E311096-01A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 6-6.5'	E311096-02A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 7-7.5'	E311096-03A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 8-8.5'	E311096-04A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 21106-0001
Project Manager: Ethan Sessums

Reported:
11/14/2023 2:40:00PM

V-1 5-5.5'

E311096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.5 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		11/13/23	11/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



Sample Data

NTG-New Tech Global Environmental
911 Regional Park Dr.
Houston TX, 77060

Project Name: Thistle Unit #46H
Project Number: 21106-0001
Project Manager: Ethan Sessums

Reported:
11/14/2023 2:40:00PM

V-1 6-6.5'

E311096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		11/13/23	11/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 11/14/2023 2:40:00PM
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V-1 7-7.5'

E311096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		11/13/23	11/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 11/14/2023 2:40:00PM
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V-1 8-8.5'

E311096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		11/13/23	11/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		11/13/23	11/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported: 11/14/2023 2:40:00PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346008-BLK1) Prepared: 11/13/23 Analyzed: 11/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

LCS (2346008-BS1) Prepared: 11/13/23 Analyzed: 11/13/23

Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.75	0.0500	10.0		97.5	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2346008-MS1) Source: E311076-22 Prepared: 11/13/23 Analyzed: 11/14/23

Benzene	4.98	0.0250	5.00	ND	99.5	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.1	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2346008-MSD1) Source: E311076-22 Prepared: 11/13/23 Analyzed: 11/14/23

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	0.871	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133	0.870	20	
Toluene	4.92	0.0250	5.00	ND	98.5	61-130	0.770	20	
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131	0.731	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	0.730	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131	0.731	20	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported: 11/14/2023 2:40:00PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2346008-BLK1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

LCS (2346008-BS2)					Prepared: 11/13/23 Analyzed: 11/13/23				
Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

Matrix Spike (2346008-MS2)					Source: E311076-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			

Matrix Spike Dup (2346008-MSD2)					Source: E311076-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130	1.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported: 11/14/2023 2:40:00PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346014-BLK1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS (2346014-BS1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

Matrix Spike (2346014-MS1)					Source: E311096-02		Prepared: 11/13/23 Analyzed: 11/14/23		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2346014-MSD1)					Source: E311096-02		Prepared: 11/13/23 Analyzed: 11/14/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	1.25	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 11/14/2023 2:40:00PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346010-BLK1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	ND	20.0							
LCS (2346010-BS1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2346010-MS1)					Source: E311096-01		Prepared: 11/13/23 Analyzed: 11/14/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2346010-MSD1)					Source: E311096-01		Prepared: 11/13/23 Analyzed: 11/14/23		
Chloride	252	20.0	250	ND	101	80-120	0.155	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	11/14/23 14:40

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.











21106.0001

Page 1 of 1

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

Additional Comments:

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				11-10-23 11:15	4			11-10-23 1715	
3				11/13/23 7:00	6				
5									

Envirotech Analytical Laboratory

Printed: 11/14/2023 2:36:33PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	11/13/23 07:00	Work Order ID:	E311096
Phone:	(281) 872-9300	Date Logged In:	11/13/23 07:31	Logged In By:	Raina Schwanz
Email:	esssums@ntglobal.com	Due Date:	11/14/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution**

Time sampled not provided on COC per client.

SRC email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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QUESTIONS

Action 335334

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 335334
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2214356019
Incident Name	NAPP2214356019 HAGBERRY 9 BATTERY 1 @ 30-025-46136
Incident Type	Fire
Incident Status	Deferral Request Received
Incident Well	[30-025-46136] HAGBERRY 9 STATE COM #501H

Location of Release Source*Please answer all the questions in this group.*

Site Name	HAGBERRY 9 BATTERY 1
Date Release Discovered	05/20/2022
Surface Owner	Private

Incident Details*Please answer all the questions in this group.*

Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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: Other Other (Specify) Crude Oil Released: 1 BBL Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The inlet line of the flare flooded and resulted in the release of crude oil from the flare. The cause of the release is still under investigation. Following an initial assessment of the flare equipment on 5/22/2022, it was discovered a small fire resulted from the release of crude oil at the blower. The fire was self extinguished and was contained to the equipment in the immediate area of the blower.

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QUESTIONS, Page 2

Action 335334

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	372165
	Action Number:	335334
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2024
--	--

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QUESTIONS, Page 3

Action 335334

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:
	372165
	Action Number: 335334
Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
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	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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

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

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

Chloride	(EPA 300.0 or SM4500 Cl B)	960
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	7620
GRO+DRO	(EPA SW-846 Method 8015M)	5600
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.3

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

On what estimated date will the remediation commence	09/20/2022
On what date will (or did) the final sampling or liner inspection occur	03/11/2024
On what date will (or was) the remediation complete(d)	03/11/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	7200
What is the estimated volume (in cubic yards) that will be remediated	256

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 335334

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	372165
	Action Number:	335334
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	OWL LANDFILL JAL [fJEG1635837366]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2024
--	--

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 335334

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	372165
	Action Number:	335334
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Flare. Removing the flare to excavate soil in situ would require the removal of the flare, vapor recovery units, and all associated equipment tied to the flare. Remediation of hydrocarbon-impacted soil affected above the NMOCD Closure Criterion for TPH remaining in-situ in the area beneath the flare will be completed upon decommissioning and abandonment of the facility, in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	25
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	2
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (F#) on which this deferral should be granted	Hagberry 9 Battery 1 [fAPP2220947787]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2024

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QUESTIONS, Page 6

Action 335334

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 335334
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	303086
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/16/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	4600

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 335334

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 335334
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	6/26/2024