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

May 22, 2024

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

Re: Deferral Request
Thistle Unit 22 CTB 2
Unit A, S22, T23S, R33E
Site Coordinates: 32.295136, -103.554495
Lea County, New Mexico
Incident IDs: nAPP2327226475, nAPP2404051181, nAPP2404353463, nAPP2404672954

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Deferral Request report to document site assessment and remedial action activities at the Thistle 22 CTB 2 (Site). The Site is in Lea County, New Mexico (Figures 1 and 2).

Background

This report details the remediation process for four (4) different incidents (i.e., nAPP2327226475, nAPP2404051181, nAPP2404353463, nAPP2404672954).

Based on the initial C-141 for nAPP2327226475 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on September 28th, 2023. The release was caused by the water dump hanging open causing the gun barrel to be over pressured resulting in the release of approximately 15 barrels (bbls) of crude oil of which 15 bbls were recovered for a net loss of 0 bbls of crude oil. As well as 27 bbls of produced water of which 25 bbls were recovered resulting in a net loss of two barrels of produced water. Upon discovery, the equipment was shut-in, and the area secured.

Based on the initial C-141 for nAPP2404051181 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 8th, 2024. The release was caused by a leak in the gun barrel resulting in the release of approximately 22 barrels (bbls) of produced water of which 12 bbls were recovered for a net loss of 10 bbls of produced water. Upon discovery, the equipment was shut-in, and the area secured.

Based on the initial C-141 for nAPP2404353463 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 12th, 2024. The release was caused by a leak in the gun barrel resulting in the release of approximately 22 barrels (bbls) of produced water of which 20 bbls were recovered for a net loss of 2 bbls of produced water. Upon discovery, the equipment was shut-in, and the area secured.

Based on the initial C-141 for nAPP2404672954 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 15th, 2024. The release was caused by a leak in the gun barrel resulting in the release of approximately 22 barrels (bbls) of produced water of which 20 bbls were recovered for a net loss of 2 bbls of produced water. Upon discovery, the equipment was shut-in, and the area secured.

The release areas are shown in Figure 3.

Site Characterization

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is one known water source (C-04664-POD1) within a ½-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. 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).

From surface to 4 ft below ground surface:

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): 50mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

Below 4 ft below ground surface:

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): 50mg/kg.
- GRO + DRO: 1,000 mg/kg
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- Chloride: 10,000 mg/kg

Site Assessment

On November 14th, 2023, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site. A total of three (3) vertical sample points (i.e., TP-1 through TP-3) and five (5) horizontal sample points (i.e., H-1 through H-5) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5-to-1-foot (ft) intervals from depths ranging from 0 – 4 feet below ground surface (ft bgs) with backhoe. Sample locations are shown in Figure 3.

On January 9th, 2024, NTGE conducted additional site assessments activities to further delineate the horizontal extent of impacts at the Site. A total of four (4) additional horizontal sample points (i.e., H-1A through H-5A) were installed adjacent to the release area to characterize impacts. Soil samples were collected in 0.5 ft intervals from depths ranging from 0 – 0.5 ft bgs. Sample locations are shown in Figure 3.

On February 15th, 2024, NTGE conducted additional site assessment activities to delineate additional releases impact at the Site. A total of three (3) additional vertical sample points (i.e., V-1 through V-3) and five (5) additional horizontal sample points (i.e., H-6 through H-10) were installed within the release

area to characterize the impacts. Soil samples were collected in 0.5 ft intervals from depths ranging from 0 – 0.5 ft bgs with a geotechnical hand-auger. Sample locations are shown in Figure 3.

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

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of one (1) ft bgs in the following areas: TP-1 through TP-3, V-2, H-1 through H-5, H-8, and H-9.

On May 6th, 2024, a total of twenty (20) composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-20) and ten (10) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-10) to ensure impacted soil was removed.

Analytical results, analytical results indicated that multiple composite confirmation excavation base and side wall samples (i.e., CS-10 through CS-12, CS-14 through CS-20, and SW-6 through SW-8) were above NMOCD regulatory criterion for chloride and/or TPH concentrations.

As a result, the impacted areas of CS-17, SW-7 and SW-8 were excavated further. On May 15th, NTGE collected a total of two (2) additional confirmation samples were collected from the excavation base (i.e., CS-17 and CS-21) and three (3) additional confirmation samples were collected from the excavation sidewalls (i.e., SW-7A, SW-8A, and SW-10) to ensure impacted soil was removed.

Analytical results indicated all samples, except the following: CS-10 through CS-12, CS-13 through CS-16, CS-18 through CS-20, SW-6, and SW-7, were below NMOCD regulatory criterion for the Site. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples 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.

Deferral Sampling

On May 15th, 2024, NTGE installed one (1) vertical deferral sample point (i.e., DS-1) in 1 ft depth intervals from depths ranging from 2 – 4 ft bgs with a geotechnical hand auger to characterize the impacts that couldn't be reached due to facility infrastructure. Laboratory results of these samples are presented in Table 2 and their locations are shown in Figure 5.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples 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.

Deferral Request

Devon personnel have expressed that the following excavation areas: CS-10 through CS-12, CS-13 through CS-16, CS-18 through CS-20, SW-6, and SW-7 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., liner, tank batteries, separators, adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown on Figure 5.

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

Ethan Sessums
Project Manager

Kellan Smith
Project Scientist

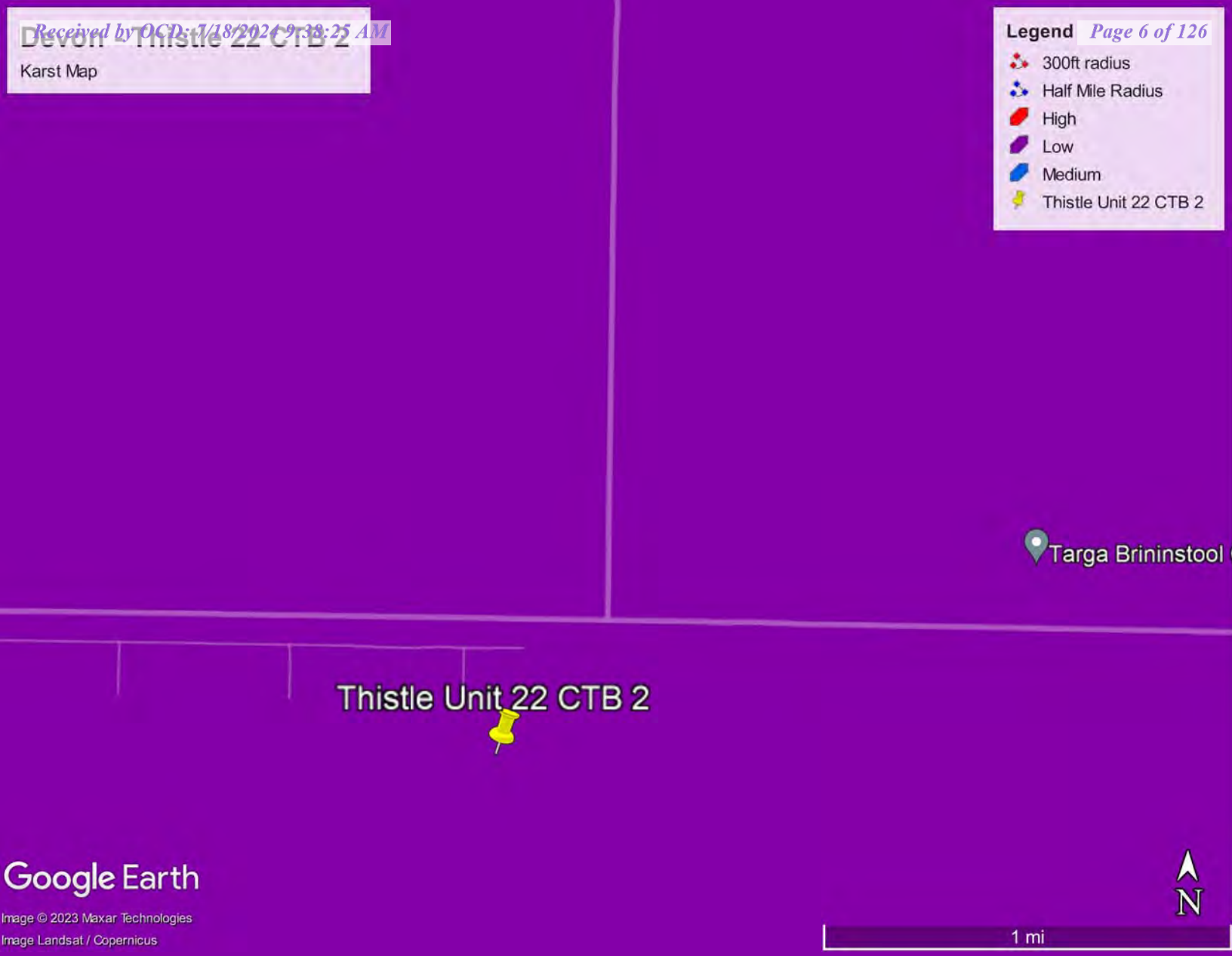
Attachments:

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

SITE CHARACTERIZATION INFORMATION

Devon - Thistle 22 CTB 2

Karst Map



Received by OCD: 7/18/2024 9:38:25 AM

National Flood Hazard Layer FIRMette

FEMA

103°33'35"W 32°17'58"N

103°32'57"W 32°17'27"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

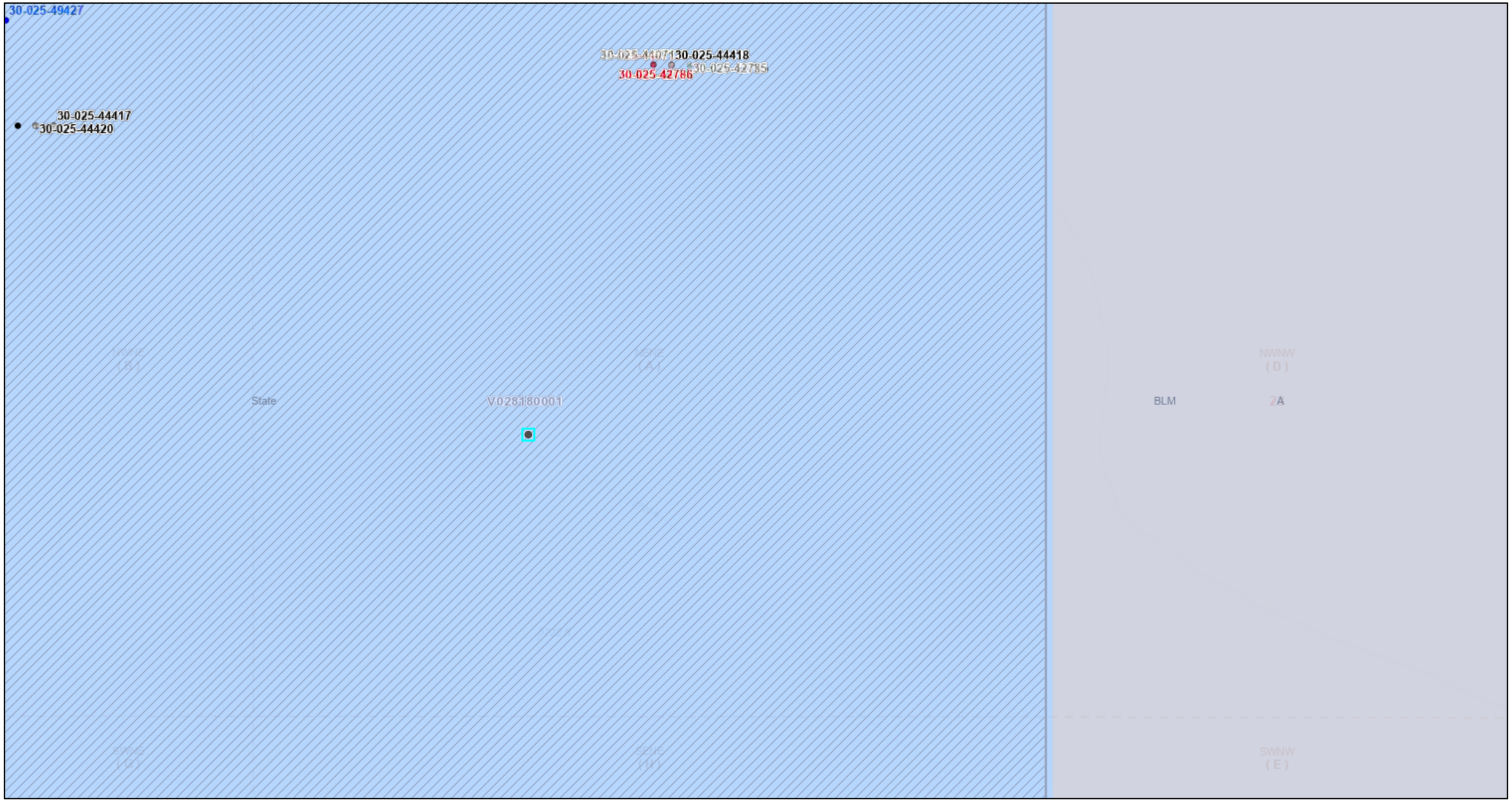
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/23/2023 at 11:29 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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.

Released to Imaging: 8/26/2024 10:11:18 AM

OCD Well Locations



6/23/2023, 9:33:14 AM

1:2,257

0 0.02 0.04 0.09 mi

0 0.04 0.07 0.15 km

Wells - Large Scale
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged

Karst Occurrence Potential
- Low
- Oil and Gas Leasing Restrictions
- Oil and Gas Leases

Mineral Ownership
- A-All minerals are owned by U.S.
- N-No minerals are owned by the U.S.

Land Ownership
- BLM
- S
- PLSS Second Division
- PLSS First Division

U.S. BLM, BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., USGS, Bureau of Land Management, Texas Parks & Wildlife,

OSE POD Locations Map

6/23/2023, 11:05:56 AM

Override 1
OSE District Boundary
New Mexico State Trust Lands
NHD Flowlines
GIS WATERS PODs
Water Right Regulations
Subsurface Estate
Artificial Path
Active
Closure Area
Surface Estate
Stream River
Both Estates
SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

Web Generated Map
Map is generated by web users.

Released to Imaging: 8/26/2024 10:11:18 AM

Received by OCD: 7/18/2024 9:38:25 AM

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04664 POD1	4	1	4	15	23S	33E	635784	3574818

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE D ATKINS

Drill Start Date: 09/07/2022 **Drill Finish Date:** 09/07/2022 **Plug Date:** 09/13/2022

Log File Date: 09/26/2022 **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

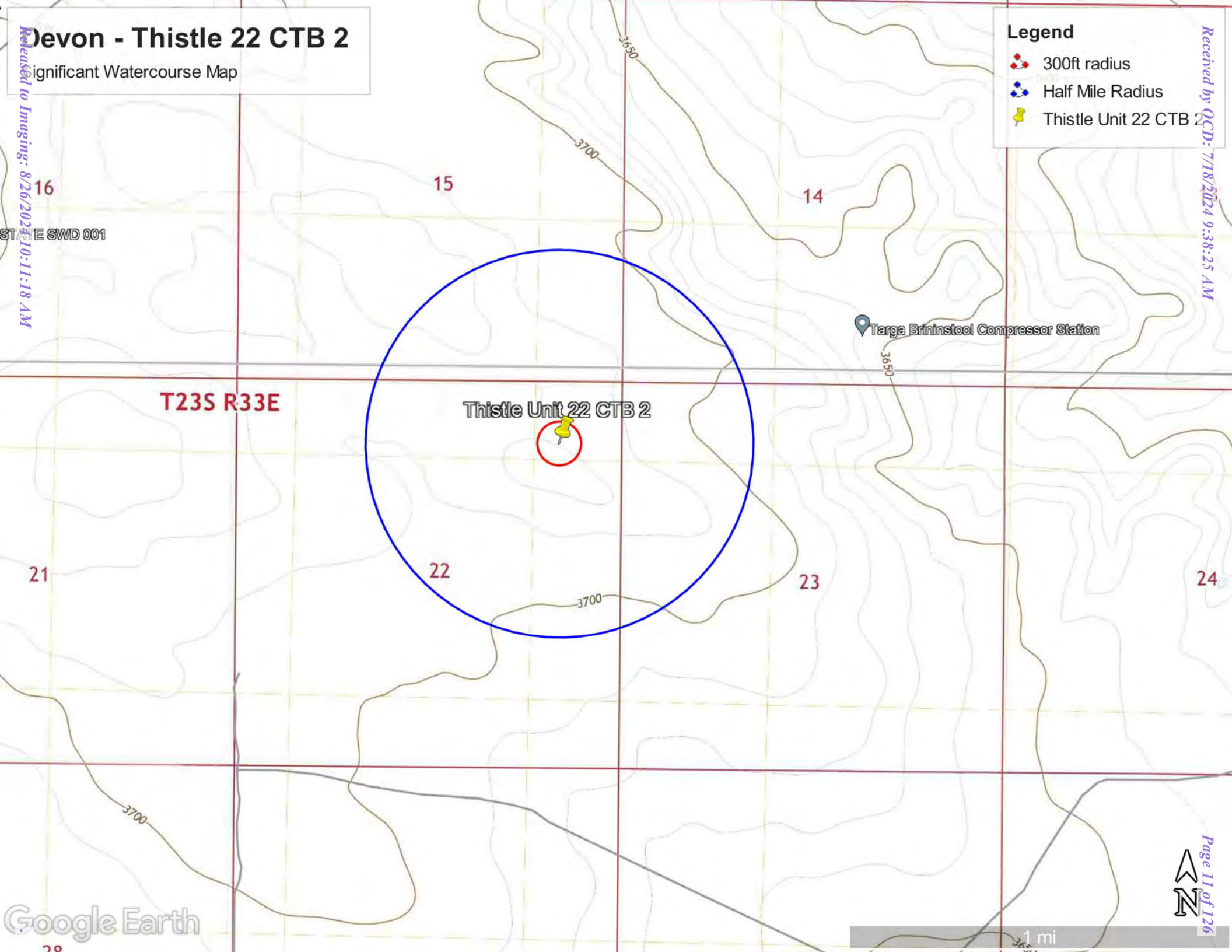
Casing Size: **Depth Well:** 55 feet **Depth Water:**

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

Released to Imaging: 8/26/2024 10:11:18 AM
Received by OCD: 7/18/2024 9:38:25 AM

Devon - Thistle 22 CTB 2

Significant Watercourse Map



Received by OCD: 7/18/2024 9:38:25 AM

U.S. Fish and Wildlife Service
National Wetlands Inventory

Thistle 22 CTB 2

June 23, 2023

Wetlands_Alaska

- 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 Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Released to Imaging: 8/26/2024 10:11:18 AM

TABLES

Table 1
Summary of Soil Analytical Data - Initial Assesment Samples
Thistle 22 CTB 2
Devon Energy Production Company
Lea County, NM

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 ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Vertical Delineation Samples													
TP-1	11/14/23	0.5'	<0.200	**2.56**	**1.95**	**53.1**	**57.6**	**547**	**2490**	**3037**	**446**	**3483**	**2200**
	11/14/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**33.4**	**33.4**	<10.0	**33.4**	**304**
	11/14/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**96**
	11/14/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**48**
	11/14/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
TP-2	11/14/23	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**32.8**	**32.8**	<10.0	**32.8**	**784**
	11/14/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**80**
	11/14/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
	11/14/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
	11/14/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**114**	**114**	<10.0	**114**	**96**
TP-3	11/14/23	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	**15700**	**15700**	**3020**	**18720**	**352**
	11/14/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**320**
	11/14/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**320**
	11/14/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**61.9**	**61.9**	<10.0	**61.9**	**640**
	11/14/23	3-3.5'	**0.051**	**0.192**	**0.062**	<0.150	**0.423**	<10.0	**188**	**188**	**22**	**210**	**368**
V-1	02/15/24	0-0.5'	<0.050	**0.097**	<0.050	<0.150	**0.097**	<10.0	**39.4**	**39.4**	**17.9**	**57.3**	**240**
V-2	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**124**	**124**	**35.3**	**159.3**	**208**
V-3	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**64**
Horizontal Delineation Samples													
H-1	11/14/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**2880**
H-1A	01/09/24	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	<4.96
H-2	11/14/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	**56.5**	**56.5**	<10	**56.5**	**32**
H-2A	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**48**
H-3	11/14/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**1040**	**1040**	**433**	**1473**	**16**
H-3A	01/09/24	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.7	<49.7	<49.7	<49.7	<49.7	<4.99
H-4	11/14/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**214**	**214**	**95.4**	**309.4**	**48**
H-4A	01/09/24	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<49.7	<49.7	<49.7	<49.7	<49.7	<5.04
H-5	11/14/23	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**8960**	**8960**	**2780**	**11740**	**240**
H-5A	01/09/24	0-0.5'	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.5	<50.5	<50.5	<50.5	<50.5	**7.62**
H-6	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**320**
H-7	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**416**
H-8	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**336**	**336**	**58**	**394**	**112**
H-9	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**144**
H-10	02/15/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**167**	**167**	**106**	**273**	**48**

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~SP-1~~ Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples/Deferral Samples
Thistle 22 CTB 2
Devon Energy Production Company
Lea County, NM

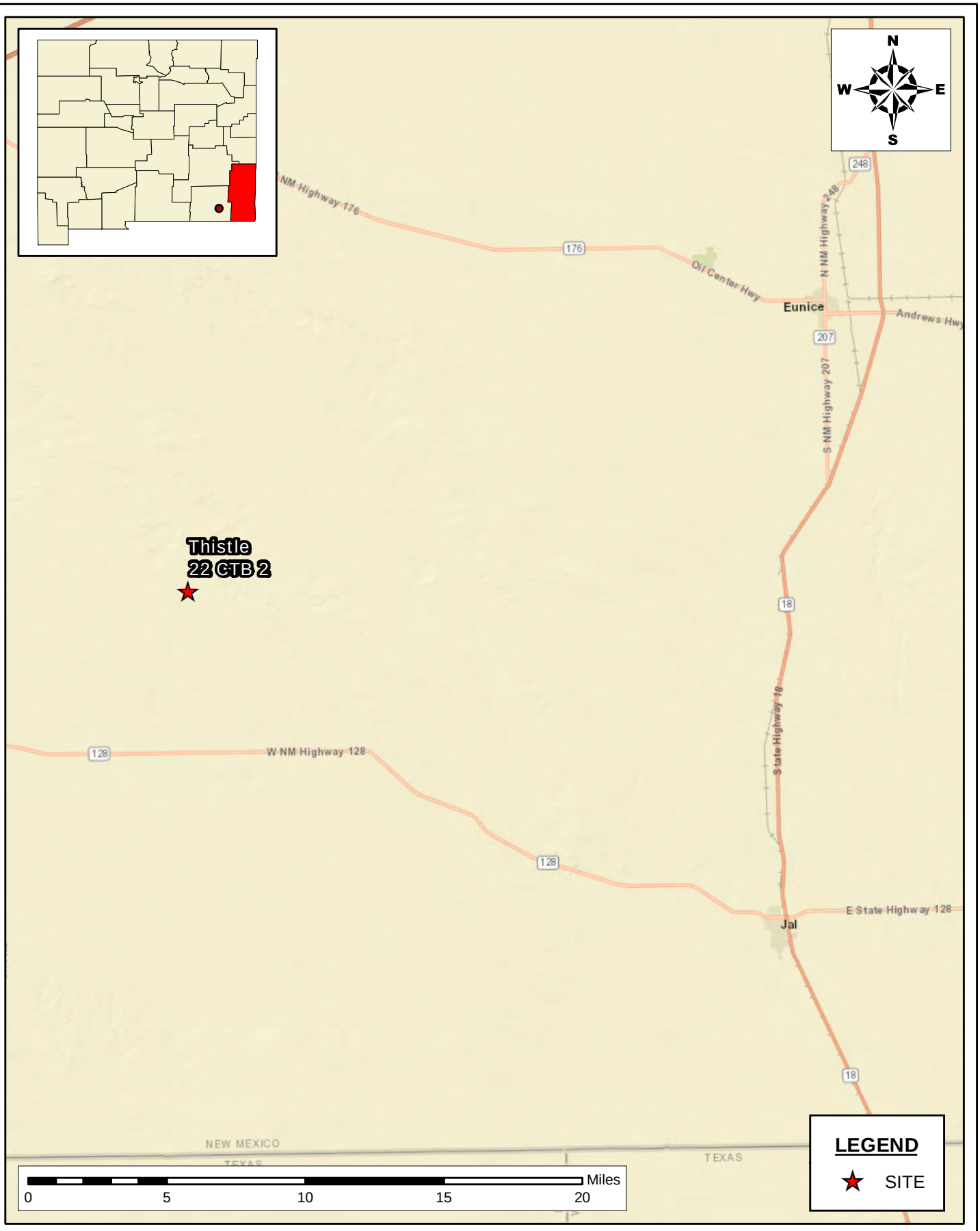
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Base Samples													
CS-1	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
CS-2	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
CS-3	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-4	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-5	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-6	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**48**
CS-7	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**80**
CS-8	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**144**
CS-9	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
CS-10	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**517**	**517**	**103**	**620**	**128**
CS-11	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	**15.3**	**1,500**	**1513.3**	**270**	**1783.3**	**816**
CS-12	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**505**	**505**	**105**	**610**	**2,080**
CS-13	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
CS-14	05/06/24	1'	<0.050	<0.050	**0.12**	<0.150	<0.300	<10.0	**1,000**	**1,000**	**282**	**1282**	**1,230**
CS-15	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**843**	**843**	**148**	**991**	**1,170**
CS-16	05/06/24	1'	**0.275**	**6.04**	**3.47**	**22.5**	**32.3**	**427**	**4,050**	**4,477**	**583**	**5060**	**1,640**
CS-17	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**5,000**
	05/15/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**2,480**
CS-18	05/06/24	1'	**1.18**	**11.4**	**2.48**	**41.6**	**56.7**	**1,040**	**5,830**	**6,870**	**925**	**7795**	**2,000**
CS-19	05/06/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**2,340**	**2,340**	**480**	**2820**	**2,600**
CS-20	05/06/24	1'	<0.050	**1.95**	**3.53**	**34.8**	**40.2**	**801**	**6,350**	**7,151**	**909**	**8060**	**2,080**
CS-21	05/15/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**65.5**	**65.5**	**12.2**	**77.7**	**80**
Sidewall Samples													
SW-1	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**48**
SW-2	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**12.8**	**12.8**	<10.0	**12.8**	**48**
SW-3	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**64**
SW-4	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**41.8**	**41.8**	<10.0	**41.8**	**48**
SW-5	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**14.6**	**14.6**	<10.0	**14.6**	**48**
SW-6	05/06/24	0-1'	<0.050	**0.19**	<0.050	<0.150	**0.321**	**<10.0**	**117**	**117**	<10.0	**117**	**1,040**
SW-7	~~05/06/24~~	~~0-1'~~	~~**2.3**~~	~~**79.6**~~	~~**32.5**~~	~~**240**~~	~~**335**~~	~~**4,760**~~	~~**14,600**~~	~~**19,360**~~	~~**2,060**~~	~~**21,420**~~	~~**2,640**~~
	05/15/24	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**1,180**
SW-8	~~05/06/24~~	~~0-1'~~	~~<0.050~~	~~<0.050~~	~~<0.050~~	~~<0.150~~	~~<0.300~~	~~<10.0~~	~~**871**~~	~~**871**~~	~~**199**~~	~~**1,070**~~	~~**7,200**~~
	05/15/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
SW-9	05/06/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**51.7**	**51.7**	<10.0	**51.7**	**128**
SW-10	05/15/24	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**592**

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 ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Deferral Samples													
DS-1	05/15/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**16**	**16**	<10.0	**16**	**368**
	05/15/24	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**33.7**	**33.7**	<10.0	**33.7**	**64**
	05/15/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**80**
	05/15/24	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**112**
DS-2	05/20/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**16**
DS-3	05/20/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**32**
DS-4	05/20/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	**19.1**	**19.1**	<10.0	**19.1**	**48**

Notes:

1. Values reported in mg/kg
2.< = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B
~~SP-1~~ Sample Point Excavated
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
9. --- Not Analyzed

FIGURES



SITE LOCATION MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

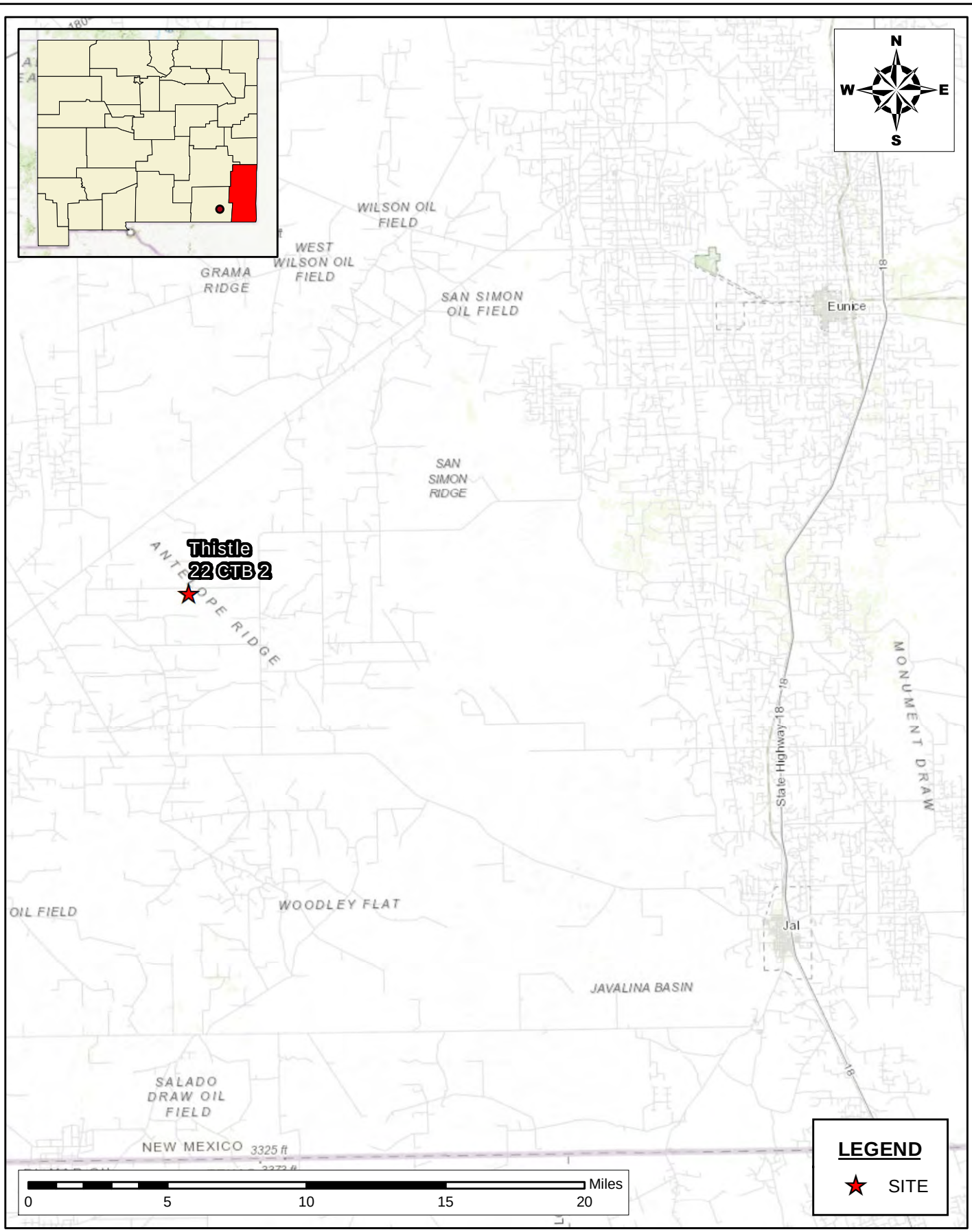
SCALE: As Shown	Date: 6/23/2023	PROJECT #:237334

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 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\DEVON\RSC\237334 - Thistle 22 CTB 2\7- Figures\Figure_1_SL.mxd



TOPOGRAPHIC MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

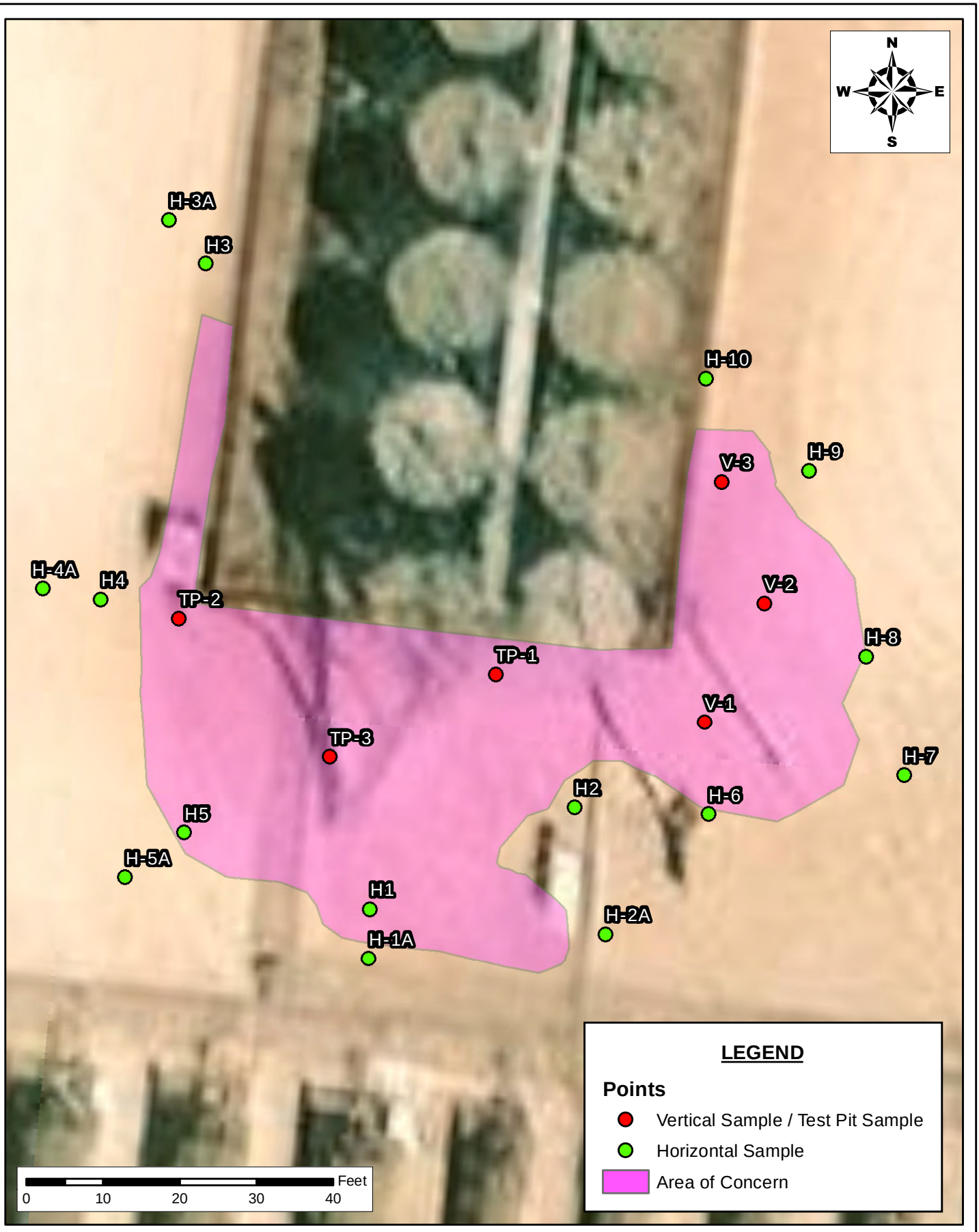
SCALE: As Shown | Date: 6/23/2023 | PROJECT #:237334

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 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\DEVON\RSC\237334 - Thistle 22 CTB 2\7- Figures\Figure_2_TM.mxd



INITIAL ASSESSMENT MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCITON COMPANY
THISTLE UNIT 22 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN	DATE: 02/23/2024	PROJECT #: 237334

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECT SIDEVON\RSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_2.23.24.mxd

INITIAL ASSESSMENT MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCITON COMPANY
THISTILE UNIT 22 CTB 2
LEA COUNTY, NEW MEXICO

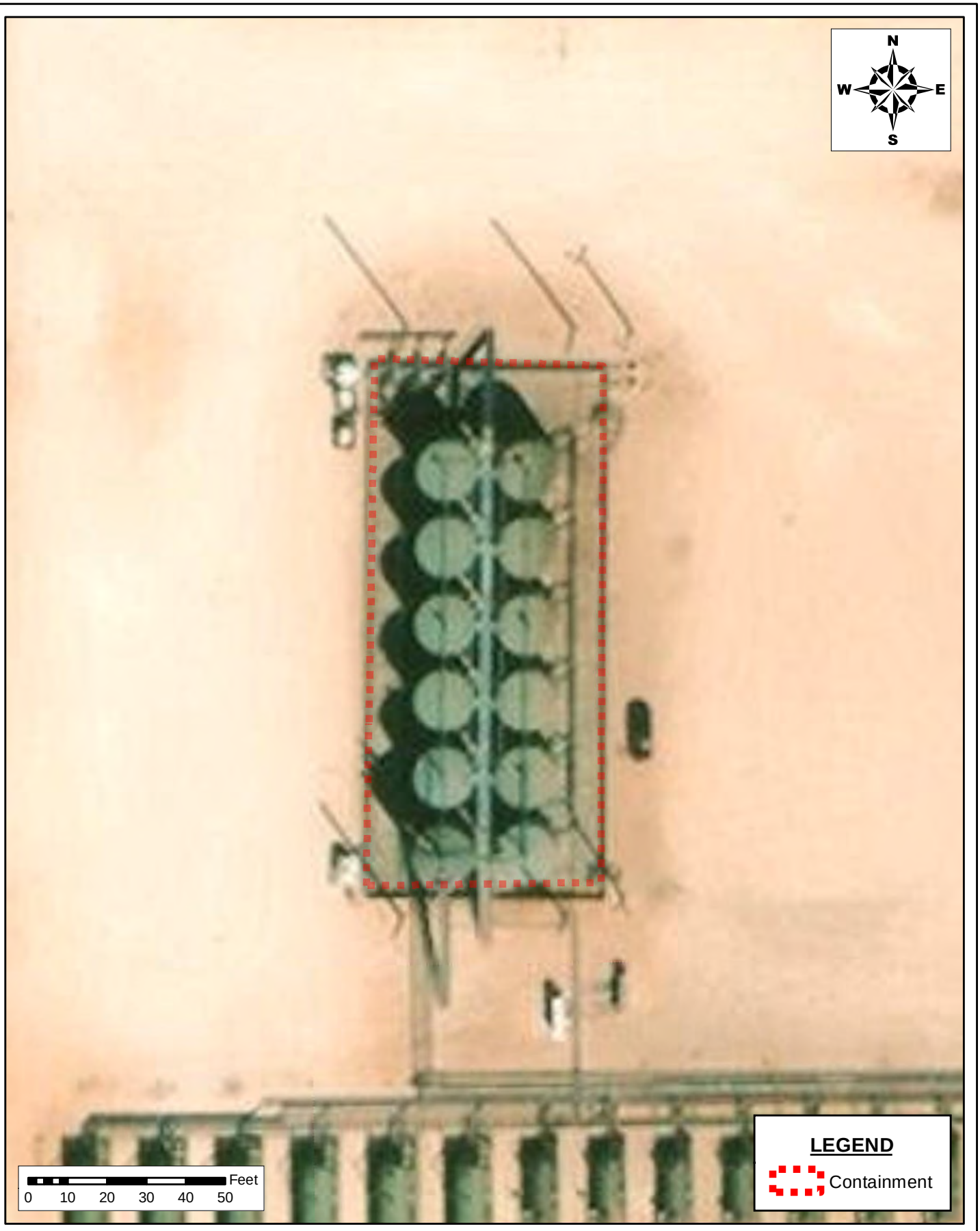
SCALE: AS SHOWN | DATE: 11/28/2023 | PROJECT #: 237334

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

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2023 PROJECTS\DEVON\RSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_IA 9.28.23 spill.mxd



SECONDARY CONTAINEMENT MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

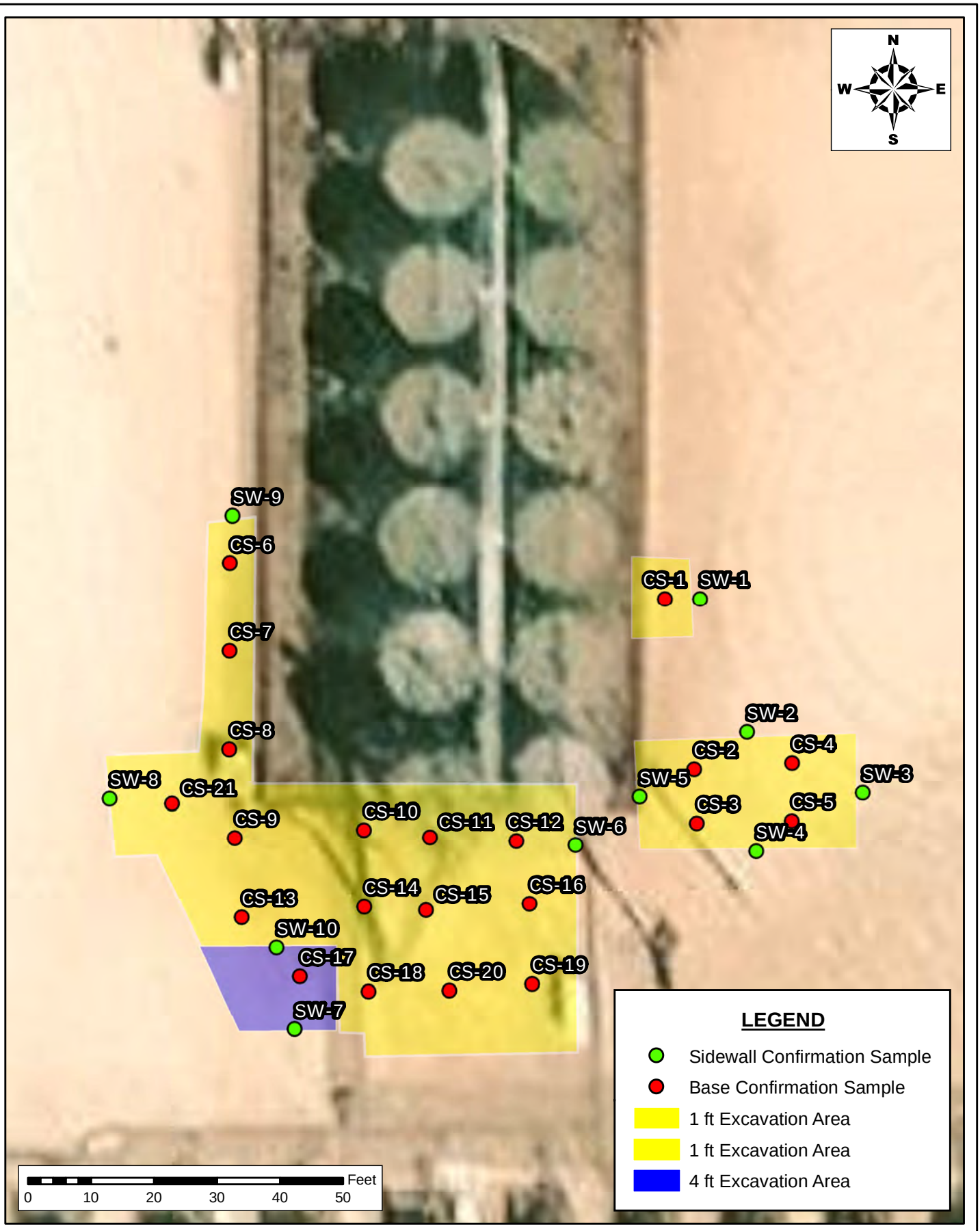
SCALE: As Shown | Date: 6/23/2023 | PROJECT #:237334

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 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

Document Path: P:\2023 PROJECTS\DEVON\RSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_SCM.mxd



CONFIRMATION SAMPLING MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

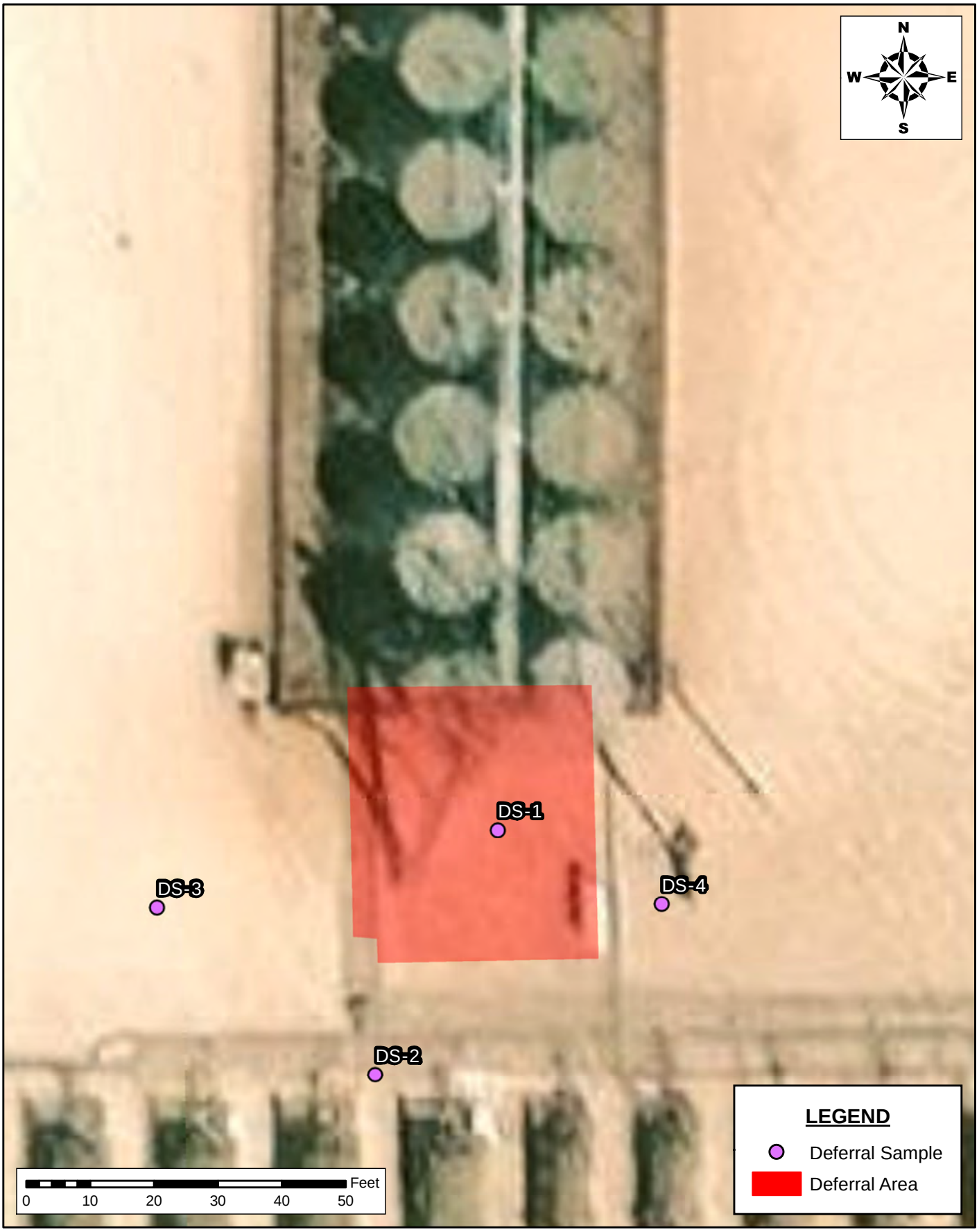
SCALE: As Shown	Date: 6/17/2024	PROJECT #:237334

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 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 4
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVONNRSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_SCM.mxd



DEFERRAL MAP
DEFERRAL REQUEST
DEVON ENERGY PRODUCTION COMPANY
THISTLE 22 CTB 2
LEA COUNTY, NEW MEXICO

SCALE: As Shown | Date: 6/17/2024 | PROJECT #:237334

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 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 5
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVONNRSC\237334 - Thistle 22 CTB 2\7- Figures\GIS\Figure_3_SCM.mxd

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Thistle Unit 22 CTB 2

Photograph No. 1

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner.

Photograph No. 2

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner.

Photograph No. 3

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner.

PHOTOGRAPHIC LOG

Thistle Unit 22 CTB 2

Photograph No. 4

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner.

Photograph No. 5

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner

Photograph No. 6

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
View of Liner.

PHOTOGRAPHIC LOG

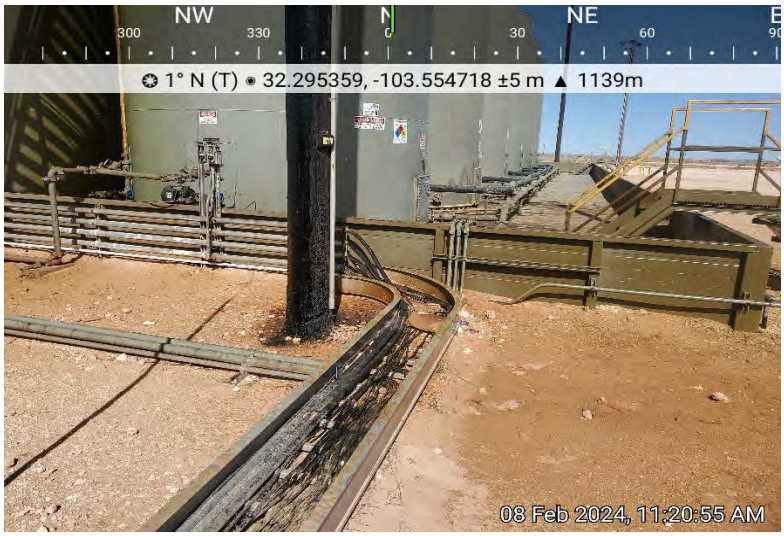
Thistle Unit 22 CTB 2

Photograph No. 7

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern.



Photograph No. 8

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern.

Photograph No. 9

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Concern.

PHOTOGRAPHIC LOG

Thistle Unit 22 CTB 2

Photograph No. 10

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Excavation.

Photograph No. 11

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

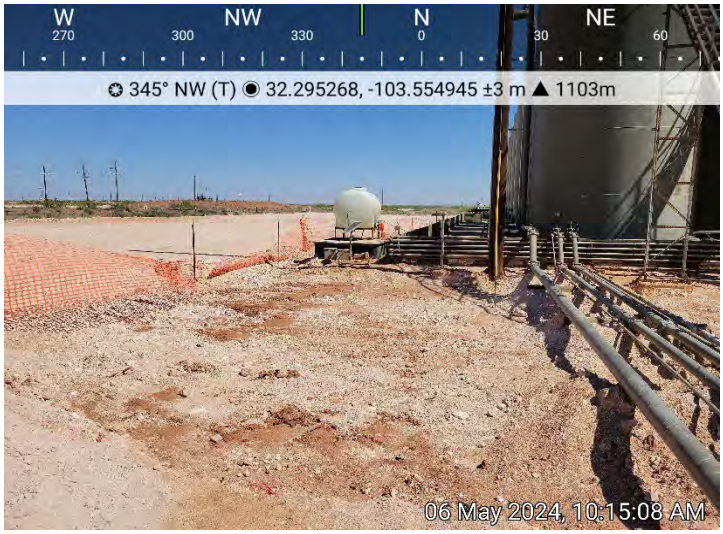
Description:
Area of Excavation.

Photograph No. 12

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Excavation.



PHOTOGRAPHIC LOG

Thistle Unit 22 CTB 2

Photograph No. 10

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

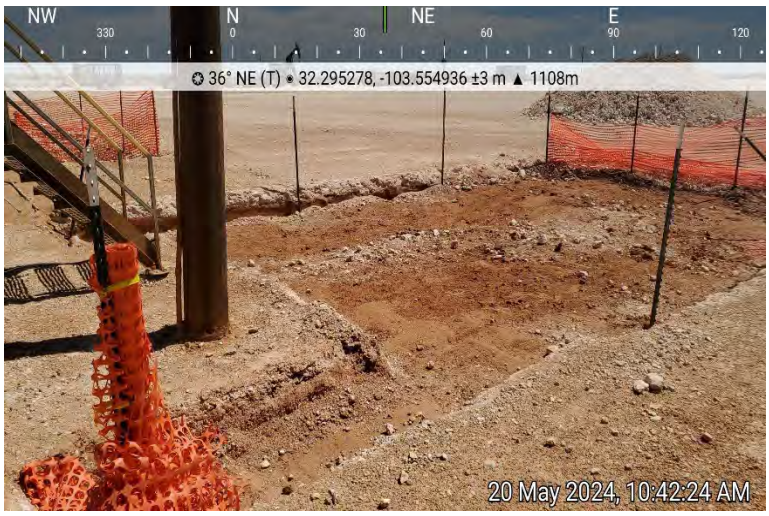
Description:
Area of Excavation.

Photograph No. 11

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Excavation.

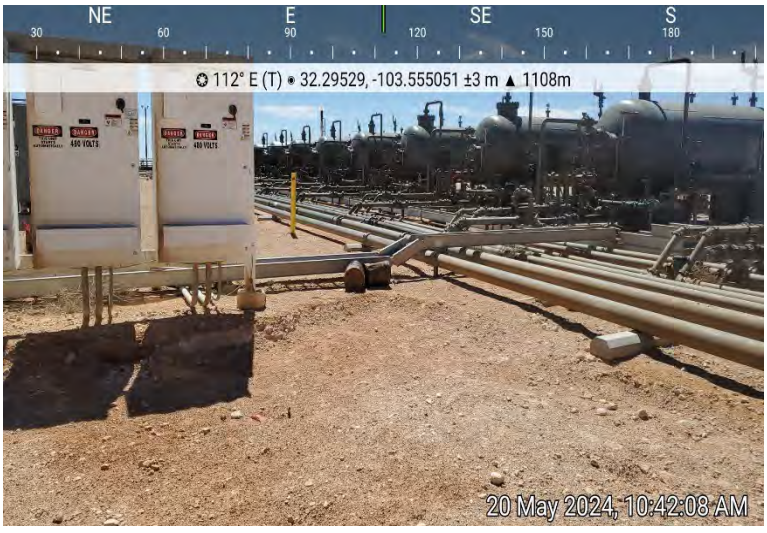


Photograph No. 12

Facility: Thistle Unit 22 CTB 2

County: Lea County, New Mexico

Description:
Area of Excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS

CARDINAL Laboratories

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

November 17, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 11/14/23 14:08.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 1 0-6" (H236226-01)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *116 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2880**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *78.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *72.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 2 0-6" (H236226-02)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**56.5**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *78.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 3 0-6" (H236226-03)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**1040**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	**433**	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *72.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 4 0-6" (H236226-04)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**214**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	**95.4**	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *78.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 5 0-6" (H236226-05)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	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	11/15/2023	ND	448	112	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*	<10.0	10.0	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**8960**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	**2780**	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *73.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *561 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: 23022216-1-S

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Thistle 22 CTB 2	Turn Around	
Project Number:	237334	☑ Routine ☐ Rush	
Project Location	Lea Co, NM	Due Date:	
Sampler's Name:	Dmitry Nikanorov	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21233012		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	2.3
Total Containers:		Corrected Temperature:	—

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
H-1	0-6"	11/14/2023		X		Grab/	1		X	X	X		1
H-2	0-6"	11/14/2023		X		Grab/	1		X	X	X		2
H-3	0-6"	11/14/2023		X		Grab/	1		X	X	X		3
H-4	0-6"	11/14/2023		X		Grab/	1		X	X	X		4
H-5	0-6"	11/14/2023		X		Grab/	1		X	X	X		5

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 DV	Rodriguez	11-14-23 1408	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

CARDINAL Laboratories

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

November 17, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 11/14/23 14:08.

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 1 6" (H236227-01)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	**2.56**	0.200	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	**1.95**	0.200	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	**53.1**	0.600	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	**57.6**	1.20	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *178 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2200**	16.0	11/15/2023	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*	**547**	10.0	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**2490**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	**446**	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *123 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *144 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 1 1' (H236227-02)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	11/15/2023	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	11/16/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**33.4**	10.0	11/16/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/16/2023	ND					

Surrogate: 1-Chlorooctane *92.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 1 2' (H236227-03)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *70.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *64.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 1 3' (H236227-04)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *82.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *76.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 1 4' (H236227-05)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *81.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *74.8 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 2 6'' (H236227-06)

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	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**784**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	**32.8**	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *83.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *78.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 2 1' (H236227-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	11/15/2023	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	11/15/2023	ND	188	94.1	200	2.54	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	169	84.3	200	0.531	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *71.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *64.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 2 2' (H236227-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	1.96	98.0	2.00	0.824	
Toluene*	<0.050	0.050	11/15/2023	ND	2.08	104	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.11	105	2.00	0.619	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.40	107	6.00	0.286	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/15/2023	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	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *94.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 2 3' (H236227-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	11/15/2023	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	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *97.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *91.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 2 4' (H236227-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	11/15/2023	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	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	**114**	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *92.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 3 6'' (H236227-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	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	**352**	16.0	11/15/2023	ND	448	112	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS **S-06**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	**15700**	50.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	**3020**	50.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *458 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 3 1' (H236227-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	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	**320**	16.0	11/15/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *90.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 3 2' (H236227-13)

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	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	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	**320**	16.0	11/15/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	<10.0	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *89.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 3 3' (H236227-14)

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	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	<0.050	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	<0.300	0.300	11/15/2023	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	**640**	16.0	11/15/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	**61.9**	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *89.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *88.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	11/14/2023	Sampling Date:	11/14/2023
Reported:	11/17/2023	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: TP - 3 3-3.5' (H236227-15)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**0.051**	0.050	11/15/2023	ND	2.15	107	2.00	2.64	
Toluene*	**0.192**	0.050	11/15/2023	ND	2.17	108	2.00	2.70	
Ethylbenzene*	**0.062**	0.050	11/15/2023	ND	2.17	108	2.00	2.88	
Total Xylenes*	<0.150	0.150	11/15/2023	ND	6.77	113	6.00	2.83	
Total BTEX	**0.423**	0.300	11/15/2023	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	11/15/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2023	ND	194	96.8	200	3.13	
DRO >C10-C28*	**188**	10.0	11/15/2023	ND	185	92.3	200	8.12	
EXT DRO >C28-C36	**22.0**	10.0	11/15/2023	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Page 57 of 126

Page 18 of 19

Chain of Custody

NTG ENVIRONMENTAL

Work Order No: H236227

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Thistle 22 CTB 2	Turn Around	☑ Routine ☐ Rush
Project Number:	237334	Due Date:	
Project Location	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov		
PO #:	21233012		

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	2.3
Total Containers:		Corrected Temperature:	2.3

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
TP-1	6"	11/14/2023		X		Grab/	1		X	X	X		1
TP-1	1'	11/14/2023		X		Grab/	1		X	X	X		2
TP-1	2'	11/14/2023		X		Grab/	1		X	X	X		3
TP-1	3'	11/14/2023		X		Grab/	1		X	X	X		4
TP-1	4'	11/14/2023		X		Grab/	1		X	X	X		5
TP-2	6"	11/14/2023		X		Grab/	1		X	X	X		6
TP-2	1'	11/14/2023		X		Grab/	1		X	X	X		7
TP-2	2'	11/14/2023		X		Grab/	1		X	X	X		8
TP-2	3'	11/14/2023		X		Grab/	1		X	X	X		9
TP-2	4'	11/14/2023		X		Grab/	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 DL	SFoodriguez	11.14.23 1408	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

NTG ENVIRONMENTAL

Chain of Custody

Work Order No: H2310227

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Thistle 22 CTB 2
Project Number:	237334
Project Location	Lea Co, NM
Sampler's Name:	Dmitry Nikanorov
PO #:	21233012

Turn Around: ☒ Routine ☐ Rush
Due Date:
TAT starts the day received by the lab, if received by 4:30pm

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	140
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	—
Sample Custody Seals:	Yes (No) N/A	Temperature Reading:	2.3
Total Containers:		Corrected Temperature:	

Preservative Codes

None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3: HN
H_2SO_4: H_2 — NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
TP-3	6"	11/14/2023		X		Grab/	1	X	X	X		11
TP-3	1'	11/14/2023		X		Grab/	1	X	X	X		12
TP-3	2'	11/14/2023		X		Grab/	1	X	X	X		13
TP-3	3'	11/14/2023		X		Grab/	1	X	X	X		14
TP-3	3-3.5'	11/14/2023		X		Grab/	1	X	X	X		15

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 DN	[signature]	11-14-23 1408	2		
3			4		
5			6		

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

CARDINAL Laboratories

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

February 20, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 02/15/24 14:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: V - 1 0 - .5 (H240741-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	**0.097**	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	02/16/2024	ND	448	112	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	**39.4**	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	**17.9**	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *80.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *89.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: V - 2 0 - .5 (H240741-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	**124**	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	**35.3**	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *77.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: V - 3 0 - .5 (H240741-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	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	**64.0**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *75.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 2A 0 - .5 (H240741-04)

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	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *77.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.7 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 6 0 - .5 (H240741-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	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	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *77.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *86.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 7 0 - .5 (H240741-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	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	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *75.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 8 0 - .5 (H240741-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	**336**	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	**58.0**	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *75.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.2 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 9 0 - .5 (H240741-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	<10.0	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	<10.0	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *81.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.4 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/15/2024	Sampling Date:	02/15/2024
Reported:	02/20/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - LEA CO., NM		

Sample ID: H - 10 0 - .5 (H240741-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2024	ND	1.89	94.7	2.00	13.0	
Toluene*	<0.050	0.050	02/16/2024	ND	1.79	89.4	2.00	17.1	
Ethylbenzene*	<0.050	0.050	02/16/2024	ND	1.81	90.5	2.00	18.4	
Total Xylenes*	<0.150	0.150	02/16/2024	ND	5.33	88.9	6.00	18.4	
Total BTEX	<0.300	0.300	02/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	02/16/2024	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	02/16/2024	ND	226	113	200	0.351	
DRO >C10-C28*	**167**	10.0	02/16/2024	ND	222	111	200	0.446	
EXT DRO >C28-C36	**106**	10.0	02/16/2024	ND					

Surrogate: 1-Chlorooctane *80.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Ethan Sessums
Address:	209 W McKay
City:	Carlsbad State: NM Zip: 88220
Phone #:	254-266-5456 Fax #:
Project #:	237334 Project Owner: Devon
Project Name:	Thistle 22
Project Location:	Lea County
Sampler Name:	Tyler Kimball

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TPH	Chlorides	BTEX
H240745																	
1	V-1 0-.5	G	1			X							2-15	10:00			
2	V-2 0-.5													10:05			
3	V-3 0-.5													10:10			
4	H2A 0-.5													10:15			
5	H-6 0-.5													10:20			
6	H-7 0-.5													10:25			
7	H-8 0-.5													10:30			
8	H-9 0-.5													10:35			
9	H-10 0-.5													10:40			
10																	

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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2-15	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 2:45		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 0.2°C	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard ☑ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☑ Yes ☐ Yes ☐ No ☐ No		Thermometer ID #140 Correction Factor 0°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

CARDINAL Laboratories

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

May 17, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 12:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 1 2' (H242672-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**368**	16.0	05/16/2024	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	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	**16.0**	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *125 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 1 3' (H242672-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	05/16/2024	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	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	**33.7**	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *105 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 1 4' (H242672-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	05/16/2024	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	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *82.2 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 1 5' (H242672-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	05/16/2024	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	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

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

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGF
Project Manager:	Ethan Sessums
Address:	209 W McKay St
City:	Carlsbad State: NM Zip: 88220
Phone #:	Fax #:
Project #:	237334 Project Owner:
Project Name:	Thistle 22 CTB 2
Project Location:	Lea County
Sampler Name:	Clayton T.

BILL TO

P.O. #:	21298433
Company:	Devon
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

BTEX
TPH
Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H214272 1	DS-1 2'	G	1			X					✓		5/15	11:00
2	DS-1 3'													
3	DS-1 4'													
4	DS-1 5'													

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:	Date: 5/15	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 12:07 pm		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		

Delivered By: (Circle One)	Observed Temp. °C 3.4	Sample Condition Cool ☑ Yes Intact ☑ Yes	CHECKED BY: (Initials)	Turnaround Time: Standard ☐ Rush ☑
Sampler - UPS - Bus - Other:	Corrected Temp. °C	☐ No ☐ No	TO	Thermometer ID #140 Correction Factor 0°C
FORM-006 R 3.4 07/11/23				48 hrs

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

CARDINAL Laboratories

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

May 17, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 12:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: SW - 8A (H242673-01)

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	05/16/2024	ND	2.08	104	2.00	16.1	
Toluene*	<0.050	0.050	05/16/2024	ND	2.04	102	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.08	104	2.00	16.0	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.74	112	6.00	15.8	
Total BTEX	<0.300	0.300	05/16/2024	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	**16.0**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *92.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *113 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: SW - 7A (H242673-02)

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	05/16/2024	ND	2.08	104	2.00	16.1	
Toluene*	<0.050	0.050	05/16/2024	ND	2.04	102	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.08	104	2.00	16.0	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.74	112	6.00	15.8	
Total BTEX	<0.300	0.300	05/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1180**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *91.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: SW - 10 (H242673-03)

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	05/16/2024	ND	2.08	104	2.00	16.1	
Toluene*	<0.050	0.050	05/16/2024	ND	2.04	102	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.08	104	2.00	16.0	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.74	112	6.00	15.8	
Total BTEX	<0.300	0.300	05/16/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *87.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *106 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: CS - 17 (H242673-04)

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	05/16/2024	ND	2.08	104	2.00	16.1	
Toluene*	<0.050	0.050	05/16/2024	ND	2.04	102	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.08	104	2.00	16.0	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.74	112	6.00	15.8	
Total BTEX	<0.300	0.300	05/16/2024	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	**2480**	16.0	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *96.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/17/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NM		

Sample ID: CS - 21 (H242673-05)

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	05/16/2024	ND	2.08	104	2.00	16.1	
Toluene*	<0.050	0.050	05/16/2024	ND	2.04	102	2.00	15.8	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.08	104	2.00	16.0	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	6.74	112	6.00	15.8	
Total BTEX	<0.300	0.300	05/16/2024	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	05/16/2024	ND	400	100	400	7.69	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/16/2024	ND	177	88.3	200	1.27	
DRO >C10-C28*	**65.5**	10.0	05/16/2024	ND	173	86.4	200	2.87	
EXT DRO >C28-C36	**12.2**	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane *88.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

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

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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	NTGE
Project Manager:	Ethan Sessums
Address:	209 W McKay St
City:	Carlsbad State: NM Zip: 88220
Phone #:	Fax #:
Project #:	237334 Project Owner:
Project Name:	Thistle 22 CTB 2
Project Location:	Lea County
Sampler Name:	Clayton T

BILL TO

P.O. #:	21298433
Company:	Devon
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	BTEX	TPH	Chloride
H242673-1	SW-8A	C	1			X					✓		5/15	10:00	✓	✓	✓
2	SW-7A																
3	SW-10																
4	CS-17																
5	CS-21																

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:	Date: 5/15 Time: 12:05 pm	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	All Results are emailed. Please provide Email address:
			REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.4 Corrected Temp. °C	Sample Condition Cool ☑ Yes Intact ☑ Yes ☐ No ☐ No	CHECKED BY: (Initials)
			Turnaround Time: Standard ☐ Rush ☒ 48hrs
			Thermometer ID #140 Correction Factor 0°C
			Bacteria (only) Sample Condition Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

CARDINAL Laboratories

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

May 22, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 22 CTB 2

Enclosed are the results of analyses for samples received by the laboratory on 05/20/24 12:29.

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

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

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

Accreditation applies to public drinking water matrices.

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

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 2 0-6" (H242761-01)

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	05/21/2024	ND	1.72	85.8	2.00	2.94	
Toluene*	<0.050	0.050	05/21/2024	ND	1.77	88.5	2.00	4.83	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.77	88.4	2.00	4.90	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.85	97.4	6.00	4.64	
Total BTEX	<0.300	0.300	05/21/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	05/20/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2024	ND	183	91.5	200	1.49	
DRO >C10-C28*	<10.0	10.0	05/20/2024	ND	183	91.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	05/20/2024	ND					

Surrogate: 1-Chlorooctane *87.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 3 0-6" (H242761-02)

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	05/21/2024	ND	1.72	85.8	2.00	2.94	
Toluene*	<0.050	0.050	05/21/2024	ND	1.77	88.5	2.00	4.83	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.77	88.4	2.00	4.90	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.85	97.4	6.00	4.64	
Total BTEX	<0.300	0.300	05/21/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	05/20/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2024	ND	183	91.5	200	1.49	
DRO >C10-C28*	<10.0	10.0	05/20/2024	ND	183	91.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	05/20/2024	ND					

Surrogate: 1-Chlorooctane *84.6 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *84.3 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	05/20/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	THISTLE 22 CTB 2	Sampling Condition:	Cool & Intact
Project Number:	237334	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NM		

Sample ID: DS - 4 0-6" (H242761-03)

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	05/21/2024	ND	1.72	85.8	2.00	2.94	
Toluene*	<0.050	0.050	05/21/2024	ND	1.77	88.5	2.00	4.83	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.77	88.4	2.00	4.90	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.85	97.4	6.00	4.64	
Total BTEX	<0.300	0.300	05/21/2024	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	05/20/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/20/2024	ND	183	91.5	200	1.49	
DRO >C10-C28*	**19.1**	10.0	05/20/2024	ND	183	91.3	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	05/20/2024	ND					

Surrogate: 1-Chlorooctane *94.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *94.6 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: MTGE
Project Manager: Ethan Sessums
Address: 209 W. Mckay Street
City: Carlsbad State: NM Zip: 88220
Phone #: 254-266-5456 Fax #:
Project #: 237334 Project Owner: Devon
Project Name: Thistle 22 CTB 2
Project Location: Lea Co, NM
Sampler Name: Kenny Hunt

BILL TO
P.O. #: 21298433
Company: Devon
Attn: Pate Woodall
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST: BTEX, TPH, Chloride

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME
H242761	DS-2 0-6"	G	1			X							5/20/24	10:40
2	DS-3	G												10:45
3	DS-4	G												10:50

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: Date: 5/20/24 Time: 1229 Received By: S Rodriguez
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 5.4i Corrected Temp. °C
Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) SR

Turnaround Time: Standard ☐ Rush ☑ 48hr
Thermometer ID #140 Correction Factor 0°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

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

FORM-006 R 3.4 07/11/23

Received by OCD: 7/18/2024 9:38:25 AM

Released to Imaging: 8/26/2024 10:11:18 AM

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ethan Sessums
NT Global
701 Tradewinds Blvd
Midland, Texas 79706

Generated 1/12/2024 2:09:46 PM

JOB DESCRIPTION

THISTLE 22

JOB NUMBER

890-5929-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 8/28/2024 10:11:18 AM

my EOL

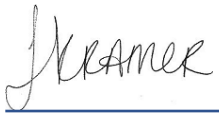
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
1/12/2024 2:09:46 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: THISTLE 22

Laboratory Job ID: 890-5929-1

Table of Contents

Definitions/Glossary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project: THISTLE 22

Job ID: 890-5929-1

Job ID: 890-5929-1 Eurofins Carlsbad

Job Narrative
890-5929-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/9/2024 2:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Receipt Exceptions
The following samples is biphasic: H-1 (890-5929-1), H-3 (890-5929-2), H-4 (890-5929-3) and H-5 (890-5929-4). The client was contacted, and the laboratory was instructed to <CHOOSE_ONE> analyze and report both phases; analyze and report the top layer only; analyze and report the bottom layer only.

The following samples were received and analyzed from an unpreserved bulk soil jar: H-1 (890-5929-1), H-3 (890-5929-2), H-4 (890-5929-3) and H-5 (890-5929-4).

GC VOA
Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70626 recovered under the lower control limit for Benzene and Toluene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-70640 and analytical batch 880-70626 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-70655 and analytical batch 880-70619 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-70655/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (890-5929-1), H-3 (890-5929-2), (890-5932-A-1-D), (890-5932-A-1-E MS) and (890-5932-A-1-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-70654 and analytical batch 880-70617 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70654 and analytical batch 880-70617 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Case Narrative

Client: NT Global
Project: THISTLE 22

Job ID: 890-5929-1

Job ID: 890-5929-1 (Continued) Eurofins Carlsbad

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-70612 and analytical batch 880-70696 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Client Sample ID: H-1

Lab Sample ID: 890-5929-1
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/11/24 12:30	01/11/24 23:00	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/11/24 12:30	01/11/24 23:00	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/11/24 12:30	01/11/24 23:00	1
m-Xylene & p-Xylene	<0.00397	U *+	0.00397		mg/Kg		01/11/24 12:30	01/11/24 23:00	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/11/24 12:30	01/11/24 23:00	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/11/24 12:30	01/11/24 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:00*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/11/24 23:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/12/24 05:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/12/24 05:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/12/24 05:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/12/24 05:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*311*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/12/24 05:48*	*1*
o-Terphenyl	*270*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/12/24 05:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.96	U	4.96		mg/Kg			01/11/24 22:54	1

Client Sample ID: H-3

Lab Sample ID: 890-5929-2
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 23:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 23:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 23:21	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		01/11/24 12:30	01/11/24 23:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 23:21	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/24 12:30	01/11/24 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:21*	*1*

Client Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Client Sample ID: H-3

Lab Sample ID: 890-5929-2
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/11/24 23:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/12/24 06:10	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/11/24 13:45	01/12/24 06:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/11/24 13:45	01/12/24 06:10	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/11/24 13:45	01/12/24 06:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*304*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/12/24 06:10*	*1*
o-Terphenyl	*266*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/12/24 06:10*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			01/11/24 14:49	1

Client Sample ID: H-4

Lab Sample ID: 890-5929-3
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/11/24 12:30	01/11/24 23:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/11/24 12:30	01/11/24 23:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/11/24 12:30	01/11/24 23:42	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		01/11/24 12:30	01/11/24 23:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/11/24 12:30	01/11/24 23:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/11/24 12:30	01/11/24 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:42*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*01/11/24 12:30*	*01/11/24 23:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/11/24 23:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/11/24 22:02	1

Client Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Client Sample ID: H-4

Lab Sample ID: 890-5929-3
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/11/24 13:50	01/11/24 22:02	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/11/24 13:50	01/11/24 22:02	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/11/24 13:50	01/11/24 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*01/11/24 13:50*	*01/11/24 22:02*	*1*
o-Terphenyl	*120*		*70 - 130*	*01/11/24 13:50*	*01/11/24 22:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			01/11/24 14:54	1

Client Sample ID: H-5

Lab Sample ID: 890-5929-4
Matrix: Solid
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/11/24 12:30	01/12/24 00:02	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/11/24 12:30	01/12/24 00:02	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/11/24 12:30	01/12/24 00:02	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		01/11/24 12:30	01/12/24 00:02	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/11/24 12:30	01/12/24 00:02	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/11/24 12:30	01/12/24 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*01/11/24 12:30*	*01/12/24 00:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*01/11/24 12:30*	*01/12/24 00:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/12/24 00:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/11/24 23:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/11/24 13:50	01/11/24 23:07	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/11/24 13:50	01/11/24 23:07	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/11/24 13:50	01/11/24 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*01/11/24 13:50*	*01/11/24 23:07*	*1*
o-Terphenyl	*127*		*70 - 130*	*01/11/24 13:50*	*01/11/24 23:07*	*1*

Client Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Client Sample ID: H-5
Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20
Sample Depth: 0.5

Lab Sample ID: 890-5929-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.62		4.97		mg/Kg			01/11/24 15:00	1

Surrogate Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5929-1	H-1	92	78
890-5929-2	H-3	95	82
890-5929-3	H-4	95	77
890-5929-4	H-5	105	101
890-5939-A-1-B MS	Matrix Spike	125	107
890-5939-A-1-C MSD	Matrix Spike Duplicate	128	115
LCS 880-70640/1-A	Lab Control Sample	134 S1+	107
LCSD 880-70640/2-A	Lab Control Sample Dup	110	104
MB 880-70580/5-A	Method Blank	73	90
MB 880-70640/5-A	Method Blank	72	88

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-5929-1	H-1	311 S1+	270 S1+
890-5929-2	H-3	304 S1+	266 S1+
890-5929-3	H-4	115	120
890-5929-3 MS	H-4	113	104
890-5929-3 MSD	H-4	115	106
890-5929-4	H-5	126	127
890-5932-A-1-E MS	Matrix Spike	156 S1+	129
890-5932-A-1-F MSD	Matrix Spike Duplicate	159 S1+	132 S1+
LCS 880-70654/2-A	Lab Control Sample	82	86
LCS 880-70655/2-A	Lab Control Sample	130	141 S1+
LCSD 880-70654/3-A	Lab Control Sample Dup	98	114
LCSD 880-70655/3-A	Lab Control Sample Dup	99	113
MB 880-70654/1-A	Method Blank	178 S1+	179 S1+
MB 880-70655/1-A	Method Blank	133 S1+	155 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-70580/5-A
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70580

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/10/24 14:02	01/11/24 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/10/24 14:02	01/11/24 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/10/24 14:02	01/11/24 11:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/10/24 14:02	01/11/24 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/10/24 14:02	01/11/24 11:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/10/24 14:02	01/11/24 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*01/10/24 14:02*	*01/11/24 11:00*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/10/24 14:02*	*01/11/24 11:00*	*1*

Lab Sample ID: MB 880-70640/5-A
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70640

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 21:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 21:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 21:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/11/24 12:30	01/11/24 21:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/24 12:30	01/11/24 21:37	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/24 12:30	01/11/24 21:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*01/11/24 12:30*	*01/11/24 21:37*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/11/24 12:30*	*01/11/24 21:37*	*1*

Lab Sample ID: LCS 880-70640/1-A
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1159		mg/Kg		116	70 - 130
Toluene	0.100	0.1082		mg/Kg		108	70 - 130
Ethylbenzene	0.100	0.1213		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2613	*+	mg/Kg		131	70 - 130
o-Xylene	0.100	0.1246		mg/Kg		125	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 880-70640/2-A
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70640

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	10	35

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-70640/2-A
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70640

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.08721		mg/Kg		87	70 - 130	22	35
Ethylbenzene			0.100	0.09701		mg/Kg		97	70 - 130	22	35
m-Xylene & p-Xylene			0.200	0.1972		mg/Kg		99	70 - 130	28	35
o-Xylene			0.100	0.09543		mg/Kg		95	70 - 130	26	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-5939-A-1-B MS
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.101	0.1109		mg/Kg		110	70 - 130
Toluene	<0.00202	U	0.101	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	<0.00202	U	0.101	0.1187		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	<0.00404	U *+	0.202	0.2456		mg/Kg		122	70 - 130
o-Xylene	<0.00202	U	0.101	0.1158		mg/Kg		115	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 890-5939-A-1-C MSD
Matrix: Solid
Analysis Batch: 70626

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0994	0.1048		mg/Kg		105	70 - 130	6	35
Toluene	<0.00202	U	0.0994	0.09392		mg/Kg		94	70 - 130	10	35
Ethylbenzene	<0.00202	U	0.0994	0.1074		mg/Kg		108	70 - 130	10	35
m-Xylene & p-Xylene	<0.00404	U *+	0.199	0.2288		mg/Kg		115	70 - 130	7	35
o-Xylene	<0.00202	U	0.0994	0.1084		mg/Kg		109	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-70654/1-A
Matrix: Solid
Analysis Batch: 70617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/11/24 20:57	1

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-70654/1-A
Matrix: Solid
Analysis Batch: 70617

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70654

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/11/24 20:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 13:45	01/11/24 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*178*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/11/24 20:57*	*1*
o-Terphenyl	*179*	*S1+*	*70 - 130*	*01/11/24 13:45*	*01/11/24 20:57*	*1*

Lab Sample ID: LCS 880-70654/2-A
Matrix: Solid
Analysis Batch: 70617

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	781.1		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	1000	854.2		mg/Kg		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*82*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: LCSD 880-70654/3-A
Matrix: Solid
Analysis Batch: 70617

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70654

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	831.3		mg/Kg		83	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	1000	1015		mg/Kg		101	70 - 130	17	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: 890-5932-A-1-E MS
Matrix: Solid
Analysis Batch: 70617

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70654

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	1316		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	1591	F1	mg/Kg		157	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*156*	*S1+*	*70 - 130*
o-Terphenyl	*129*		*70 - 130*

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-5932-A-1-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70617 — **Prep Batch: 70654**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	1000	1360	F1	mg/Kg		134	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	1628	F1	mg/Kg		160	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*159*	*S1+*	*70 - 130*
o-Terphenyl	*132*	*S1+*	*70 - 130*

Lab Sample ID: MB 880-70655/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70619 — **Prep Batch: 70655**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 13:50	01/11/24 20:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 13:50	01/11/24 20:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 13:50	01/11/24 20:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*01/11/24 13:50*	*01/11/24 20:57*	*1*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*01/11/24 13:50*	*01/11/24 20:57*	*1*

Lab Sample ID: LCS 880-70655/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70619 — **Prep Batch: 70655**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	815.7		mg/Kg		82	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	986.4		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*130*		*70 - 130*
o-Terphenyl	*141*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-70655/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70619 — **Prep Batch: 70655**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	891.3		mg/Kg		89	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	968.6		mg/Kg		97	70 - 130	2	20

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-70655/3-A
Matrix: Solid
Analysis Batch: 70619

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70655

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: 890-5929-3 MS
Matrix: Solid
Analysis Batch: 70619

Client Sample ID: H-4
Prep Type: Total/NA
Prep Batch: 70655

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1297		mg/Kg		126	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	883.9		mg/Kg		85	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-5929-3 MSD
Matrix: Solid
Analysis Batch: 70619

Client Sample ID: H-4
Prep Type: Total/NA
Prep Batch: 70655

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1322		mg/Kg		128	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	908.2		mg/Kg		87	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	106		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70487/1-A
Matrix: Solid
Analysis Batch: 70595

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/11/24 04:06	1

Lab Sample ID: LCS 880-70487/2-A
Matrix: Solid
Analysis Batch: 70595

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

QC Sample Results

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-70487/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70595

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	253.7		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-37706-A-2-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1530		2510	4281		mg/Kg		110	90 - 110

Lab Sample ID: 880-37706-A-2-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1530		2510	4244		mg/Kg		108	90 - 110	1	20

Lab Sample ID: MB 880-70612/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/11/24 21:48	1

Lab Sample ID: LCS 880-70612/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70696

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride			250	248.4		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-70612/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70696

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	248.8		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-37779-A-58-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	89.1	F1	249	311.2	F1	mg/Kg		89	90 - 110

Lab Sample ID: 880-37779-A-58-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	89.1	F1	249	312.6		mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

GC VOA

Prep Batch: 70580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70580/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 70626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	8021B	70640
890-5929-2	H-3	Total/NA	Solid	8021B	70640
890-5929-3	H-4	Total/NA	Solid	8021B	70640
890-5929-4	H-5	Total/NA	Solid	8021B	70640
MB 880-70580/5-A	Method Blank	Total/NA	Solid	8021B	70580
MB 880-70640/5-A	Method Blank	Total/NA	Solid	8021B	70640
LCS 880-70640/1-A	Lab Control Sample	Total/NA	Solid	8021B	70640
LCSD 880-70640/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70640
890-5939-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	70640
890-5939-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	70640

Prep Batch: 70640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	5035	
890-5929-2	H-3	Total/NA	Solid	5035	
890-5929-3	H-4	Total/NA	Solid	5035	
890-5929-4	H-5	Total/NA	Solid	5035	
MB 880-70640/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70640/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70640/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5939-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-5939-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 70771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	Total BTEX	
890-5929-2	H-3	Total/NA	Solid	Total BTEX	
890-5929-3	H-4	Total/NA	Solid	Total BTEX	
890-5929-4	H-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 70617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	8015B NM	70654
890-5929-2	H-3	Total/NA	Solid	8015B NM	70654
MB 880-70654/1-A	Method Blank	Total/NA	Solid	8015B NM	70654
LCS 880-70654/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70654
LCSD 880-70654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70654
890-5932-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	70654
890-5932-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	70654

Analysis Batch: 70619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-3	H-4	Total/NA	Solid	8015B NM	70655
890-5929-4	H-5	Total/NA	Solid	8015B NM	70655
MB 880-70655/1-A	Method Blank	Total/NA	Solid	8015B NM	70655

QC Association Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

GC Semi VOA (Continued)

Analysis Batch: 70619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-70655/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70655
LCSD 880-70655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70655
890-5929-3 MS	H-4	Total/NA	Solid	8015B NM	70655
890-5929-3 MSD	H-4	Total/NA	Solid	8015B NM	70655

Prep Batch: 70654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	8015NM Prep	
890-5929-2	H-3	Total/NA	Solid	8015NM Prep	
MB 880-70654/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70654/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70654/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5932-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5932-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 70655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-3	H-4	Total/NA	Solid	8015NM Prep	
890-5929-4	H-5	Total/NA	Solid	8015NM Prep	
MB 880-70655/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70655/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70655/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5929-3 MS	H-4	Total/NA	Solid	8015NM Prep	
890-5929-3 MSD	H-4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Total/NA	Solid	8015 NM	
890-5929-2	H-3	Total/NA	Solid	8015 NM	
890-5929-3	H-4	Total/NA	Solid	8015 NM	
890-5929-4	H-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 70487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-2	H-3	Soluble	Solid	DI Leach	
890-5929-3	H-4	Soluble	Solid	DI Leach	
890-5929-4	H-5	Soluble	Solid	DI Leach	
MB 880-70487/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70487/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70487/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37706-A-2-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-37706-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 70595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-2	H-3	Soluble	Solid	300.0	70487
890-5929-3	H-4	Soluble	Solid	300.0	70487
890-5929-4	H-5	Soluble	Solid	300.0	70487
MB 880-70487/1-A	Method Blank	Soluble	Solid	300.0	70487

QC Association Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

HPLC/IC (Continued)

Analysis Batch: 70595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-70487/2-A	Lab Control Sample	Soluble	Solid	300.0	70487
LCSD 880-70487/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70487
880-37706-A-2-B MS	Matrix Spike	Soluble	Solid	300.0	70487
880-37706-A-2-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	70487

Leach Batch: 70612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Soluble	Solid	DI Leach	
MB 880-70612/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70612/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70612/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37779-A-58-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-37779-A-58-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 70696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5929-1	H-1	Soluble	Solid	300.0	70612
MB 880-70612/1-A	Method Blank	Soluble	Solid	300.0	70612
LCS 880-70612/2-A	Lab Control Sample	Soluble	Solid	300.0	70612
LCSD 880-70612/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70612
880-37779-A-58-E MS	Matrix Spike	Soluble	Solid	300.0	70612
880-37779-A-58-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	70612

Lab Chronicle

Client: NT Global
Job ID: 890-5929-1
Project/Site: THISTLE 22

Client Sample ID: H-1
Lab Sample ID: 890-5929-1
Date Collected: 01/09/24 00:00
Matrix: Solid
Date Received: 01/09/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	70640	01/11/24 12:30	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70626	01/11/24 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70771	01/11/24 23:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			70704	01/12/24 05:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70654	01/11/24 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70617	01/12/24 05:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	70612	01/10/24 17:01	SA	EET MID
Soluble	Analysis	300.0		1			70696	01/11/24 22:54	CH	EET MID

Client Sample ID: H-3
Lab Sample ID: 890-5929-2
Date Collected: 01/09/24 00:00
Matrix: Solid
Date Received: 01/09/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	70640	01/11/24 12:30	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70626	01/11/24 23:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70771	01/11/24 23:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			70704	01/12/24 06:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70654	01/11/24 13:45	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70617	01/12/24 06:10	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70487	01/11/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1			70595	01/11/24 14:49	CH	EET MID

Client Sample ID: H-4
Lab Sample ID: 890-5929-3
Date Collected: 01/09/24 00:00
Matrix: Solid
Date Received: 01/09/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	70640	01/11/24 12:30	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70626	01/11/24 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70771	01/11/24 23:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			70704	01/11/24 22:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	70655	01/11/24 13:50	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70619	01/11/24 22:02	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70487	01/11/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1			70595	01/11/24 14:54	CH	EET MID

Client Sample ID: H-5
Lab Sample ID: 890-5929-4
Date Collected: 01/09/24 00:00
Matrix: Solid
Date Received: 01/09/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	70640	01/11/24 12:30	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70626	01/12/24 00:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70771	01/12/24 00:02	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Client Sample ID: H-5

Date Collected: 01/09/24 00:00
Date Received: 01/09/24 14:20

Lab Sample ID: 890-5929-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70704	01/11/24 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70655	01/11/24 13:50	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70619	01/11/24 23:07	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70487	01/11/24 11:30	SA	EET MID
Soluble	Analysis	300.0		1			70595	01/11/24 15:00	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global
Project/Site: THISTLE 22

Job ID: 890-5929-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5929-1	H-1	Solid	01/09/24 00:00	01/09/24 14:20	0.5
890-5929-2	H-3	Solid	01/09/24 00:00	01/09/24 14:20	0.5
890-5929-3	H-4	Solid	01/09/24 00:00	01/09/24 14:20	0.5
890-5929-4	H-5	Solid	01/09/24 00:00	01/09/24 14:20	0.5

Released to Imaging: 8/26/2024 10:11:18 AM
Received by OCD: 7/18/2024 9:38:25 AM

eurofins | Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
www.xenco.com

Work Order No: _____

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTGE	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	
Phone:		Email:	NTG email chain

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Thistle 22	Turn Around	Pres. Code
Project Number:		☐ Routine ☑ Rush 72	
Project Location:		Due Date: 1/12/24	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21233012		

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8	
Total Containers:	4	Corrected Temperature:		

ANALYSIS REQUEST

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M	Chloride 4500	Sample Comments
H-1	S	1/9/24		0-0.5'	G	1	✓	✓	✓	
H-3	S	"		0-0.5'	"	1	✓	✓	✓	
H-4	S	"		0-0.5'	"	1	✓	✓	✓	
H-5	S	"		0-0.5	"	1	✓	✓	✓	

890-5929 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins 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			1/9/24	1420		
3						
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: NT Global Job Number: 890-5929-1

Login Number: 5929 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Lopez, Abraham

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-5929-1

Login Number: 5929
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/11/24 11:21 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

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

QUESTIONS

Action 365202

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2404672954**
Incident Name	**NAPP2404672954 THISTLE UNIT 22 CTB 2 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	THISTLE UNIT 22 CTB 2
Date Release Discovered	02/15/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Production Tank | Produced Water | Released: 22 BBL | Recovered: 20 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	employee noticed that the gun barrel was running over. The tank was bypassed to stop the leak.

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 07/18/2024

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	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)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	2880
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	18720
GRO+DRO (EPA SW-846 Method 8015M)	15700
BTEX (EPA SW-846 Method 8021B or 8260B)	57.6
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/15/2024
On what date will (or did) the final sampling or liner inspection occur	05/15/2024
On what date will (or was) the remediation complete(d)	06/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	3796
What is the estimated volume (in cubic yards) that will be reclaimed	169
What is the estimated surface area (in square feet) that will be remediated	3796
What is the estimated volume (in cubic yards) that will be remediated	169
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.	

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	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	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 07/18/2024
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.	

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	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	areas are located around a tank battery, separators, above ground lines, and buried high voltage electrical lines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1616
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	239
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	THISTLE UNIT 22 CTB 2 [fAPP2123650155]
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 07/18/2024

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

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**343630**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/15/2024**
What was the (estimated) number of samples that were to be gathered	**3**
What was the sampling surface area in square feet	**600**

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

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

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

CONDITIONS

Action 365202

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365202
	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.	8/26/2024