

Volume calculator

There was no volume calculator prepared when the spill occurred.



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432.701.2159  
www.ntgenvironmental.com

December 6, 2023

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

**Re: Closure Report**  
**North Thistle 2 State #002H**  
**Township 23S, Range 33E**  
**Site Coordinates: 32.326430, -103.549980, 32.316493, -103.551181,**  
**32.321643, -103.550924, 32.336293, -103.546804,**  
**32.339810, -103.540839.**  
**Lea County, New Mexico**  
**Incident ID: nOY1732130408**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this letter to document site assessment, remedial action, and sampling activities at the North Thistle 2 State #002H (Site) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico. The Site is in Township 23 South and Range 33 East in Lea County, New Mexico. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

### **Background**

Based on the Release Notification C-141 Form, the release occurred on October 23<sup>rd</sup>, 2017, where a lay flat hose transferring treated produced water from the Ursala frac pond to location failed at Site #1. The frac went from flush and then shut down, releasing produced water to the ground. There were four (4) additional failures found along the line. Upon discovery, repairs were made to the hose and the line was replaced. A total of five (5) different spill sites along the line resulted in this spill of approximately 355 barrels (bbls) of produced water of which 250 bbls were recovered for an approximate net loss of 105 bbls. The locations of the associated five (5) release locations are as follows: L1 – 32.326430, -103.549980, L2 – 32.316493, -103.551181, L3 – 32.321643, -103.550924, L4 – 32.336293, -103.546804, L5 – 32.339810, -103.540839.

The overall release area is shown in Figure 3. Each individual release location is shown on Figure 3A through Figure 3E. The initial and final C-141 form is attached to this report.

### **Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no wells located within a ½-mile radius of the Sites. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the sites are located within a low Karst area. The Site characterization

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For Oil & Gas Operations**

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documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached.

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

**General Site Characterization and Groundwater:**

Site Characterization	Average Groundwater Depth (ft)
Low Karst	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg

Notes:  
 --- = not defined

**Site Assessment**

On August 16<sup>th</sup>, 2023, August 17<sup>th</sup>, 2023, and August 29<sup>th</sup>, 2023, NTGE conducted site assessment activities all five spills (L1 through L5). At each individual spill location, NTGE scientists installed several vertical samples points (e.g., V-1 through V-6 at the spill location L1) and several horizontal sample points (e.g., H-1 through H-6 at the spill location L1) within the release area to characterize the impacts. Soil samples were collected in 0.5 to 1 ft intervals from depths ranging from 0.5 to 5 ft below ground surface (ft bgs) with a geotechnical hand auger. On September 7<sup>th</sup>, 2023, an additional seven (7) test pit delineation samples (TP-1 through TP-7) were collected at the spill location L5 in 1 ft intervals at depths from 1 to 5 ft bgs. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, total petroleum hydrocarbon (TPH) by method 8015B, and chloride by SM4500 Cl-B by Cardinal Laboratories in Hobbs, New Mexico.

Analytical results indicated that all constituents of concern concentrations for all samples collected on spill locations L1, L2 and L4 were below New Mexico regulatory criterion across the release area. Laboratory reports containing analytical methods and chain-of-custody documents are attached.

The analytical results indicated that chloride and/or TPH concentrations exceeded the NMOCD regulatory limits in the areas of V-1 through V-4 from depths 2.5 - 5 ft bgs on the spill location L3 and the areas of TP-4 (at 4 ft bgs), TP-6 (at 1 ft bgs), V-1 through V-3, V-5 through V-10 (at depths from a surface level to 0.5 ft bgs) on the spill location L5. Analytical results are included in Table 1 (L1) through Table 1 (L5). Overview of all 5 spills (L-1 through L-5) is shown in Figure 3. Soil boring locations are shown in Figures 3A through 3E for each associated spill location.

**Remedial Action Activities and Confirmation Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the spill location L3 and L5 to include the excavation and disposal of impacted soils above the regulatory limits.

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At the spill location L3, the release areas of V-1 through V-4 were excavated to a depth of seven (7) ft bgs based on the delineation samples results shown in Table 1 (L3).

On October 24<sup>th</sup>, 2023, NTGE was onsite to collect confirmation samples from the base of the excavation as well as confirmation side wall samples. 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 analytical results indicate that multiple confirmation samples (CS-1 through CS-7, and SW-1) were above NMOCD regulatory criterion from Table I, Closure Criteria. Laboratory reports containing analytical methods and chain-of-custody documents are attached. See Table 2 (L3) for the laboratory results.

Devon continued expanding the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils were removed. NTGE collected final confirmation samples on November 2<sup>nd</sup>, 2023. The confirmation samples were collected every 200 square feet in accordance with the regulatory guidelines and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated that all samples were below NMOCD regulatory criterion for the Site and therefore all impacted soils were removed from spill location L3.

At the spill location L5, the release areas of TP-4 and adjacent area V-2 were excavated to a depth of five (5) ft bgs, area TP-2 was excavated to a depth of two (2) ft bgs and the remaining impacted areas of V-1 and V-3 through V-10 were excavated to a depth of one (1) ft bgs based on the delineation samples results shown in Table 1 (L5).

On October 24<sup>th</sup>, 2023, NTGE was onsite to collect confirmation samples from the base of the excavation as well as confirmation side wall samples. 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 analytical results indicate that multiple base and side wall confirmation samples (CS-2, CS-3, CS-4, CS-8, CS-13, CS-19, CS-20, CS-25, CS-28, CS-30, SW-3, SW-4, SW-6, SW-10 and SW-12) were above NMOCD regulatory criterion from Table I, Closure Criteria. Laboratory reports containing analytical methods and chain-of-custody documents are attached. See Table 2 (L5) for the laboratory results.

Devon continued expanding the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils were removed. NTGE collected final confirmation samples on November 2<sup>nd</sup>, 2023. The confirmation samples were collected every 200 square feet in accordance with the regulatory guidelines and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated that all samples were below NMOCD regulatory criterion for the Site and therefore all impacted soils were removed from spill location L5.

Complete analytical results for all confirmation samples are presented in Table 2 (L3) and Table 2 (L5) respectively and the final excavation maps with confirmation sample locations are shown in Figures 4A and 4B.

### **Closure Request**

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

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

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December 6, 2023  
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Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager



Dmitry Nikanorov  
Project Scientist

Attachments:

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

**INITIAL AND FINAL C-141**

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District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

### Release Notification and Corrective Action

**OPERATOR**  Initial Report  Final Report

Name of Company Devon Energy Production Co LP (6137)	Contact Stephen Richards, Devon Completions Foreman
Address PO BOX 250, Artesia, NM 88211	Telephone No. (575) 252-3717
Facility Name: Transfer line from Ursula Frac Pond to North Thistle 2 State 2H	Facility Type Oil well

Surface Owner: See Page 2 Location of Release	Mineral Owner: See Page 2 Location of Release	API No. 30-025-42821
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**LOCATION OF RELEASE: Please see Page 2 for locations of the spills related to this incident.**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
		23S	33E					Lea

Latitude See Page 2 Location of Release Longitude See Page 2 Location of Release

### NATURE OF RELEASE

Type of Release: Treated Produced Water	Volume of Release: 355 bbls total (pad and pasture)	Volume Recovered: 250 bbls (on pad)
Source of Release: Lay Flat Hose	Date and Hour of Occurrence: 10/23/2017, 6:00 & 7:30 PM	Date and Hour of Discovery: 10/23/2017, 6:00 & 7:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD: Olivia Yu BLM: Shelly Tucker	<b>RECEIVED</b> By Olivia Yu at 7:48 am, Nov 17, 2017
By Whom? Mike Shoemaker, EHS Professional	Date and Hour: OCD: 10/25/17, 7:24 AM BLM: 10/25/17, 7:24 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\* NA

Describe Cause of Problem and Remedial Action Taken.\*

At 6:00 PM, the lay flat hose transferring treated produced water from the Ursula frac pond to location failed at Site #1 (see attached GIS map). The frac went from flush and then shut down, releasing produced water to the ground. Repairs were made to the hose and completion activities resumed. At 7:30 PM, there were four additional failures along the line. Completion activities shut down. The line is being replaced.

Describe Area Affected and Cleanup Action Taken.\* There were a total of five different spill sites from the pond to the pad location along the lay flat line, which are identified on the attached GIS map with their respective chronologic number. The estimated square footage affected by each release is as follows: 1) 5,600' 2) 7,744' 3) 400' 4) 1,974' 5) 115,480'. An estimated 355 barrels total of treated produced water were spilled and 250 barrels were recovered from the combined locations. A remediation contractor will be contacted to assist with the delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <b>Denise Menoud</b>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Denise Menoud	Approved by Environmental Specialist: 	
Title: Admin Field Support	Approval Date: <b>11/17/2017</b>	Expiration Date:
E-mail Address: denise.menoud@dvn.com	Conditions of Approval: <b>see attached directive</b>	Attached <input checked="" type="checkbox"/>
Date: 10/25/2017 Phone: (575)746-5544		

\* Attach Additional Sheets If Necessary

**1RP-4868**

**nOY1732130408**

**pOY1732130912**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
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Form C-141  
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

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**OPERATOR**

Initial Report  Final Report

Name of Company Devon Energy Production Co LP (6137)	Contact Stephen Richards, Devon Completions Foreman
Address PO BOX 250, Artesia, NM 88211	Telephone No. (575) 252-3717
Facility Name: Transfer line from Ursula Frac Pond to North Thistle 2 State 2H	Facility Type Oil well

Surface Owner: State / Federal	Mineral Owner: State / Federal	API No. 30-025-42821
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**LOCATION OF RELEASES:**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
		23S	33E					Lea

SITE 1) M-02-23S-33E, 32.326430 N, 103.549980 W (Surface Owner-State, Mineral Owner-Federal)	11-D
SITE 2) L-11-23S-33E, 32.316493 N, 103.551181 W (Surface Owner-State, Mineral Owner-Federal)	
SITE 3) E-11-23S-33E, 32.321643 N, 103.550924 W (Surface Owner-State, Mineral Owner-Federal)	
SITE 4) F-02-23S-33E, 32.336293 N, 103.546804 W (Surface Owner-State, Mineral Owner-State)	
SITE 5) B-02-23S-33E, 32.339810 N, 103.540839 W(Surface Owner-State, Mineral Owner-State)	

<b><u>OIL CONSERVATION DIVISION</u></b>	
Signature: <b>Denise Menoud</b>	Approved by Environmental Specialist:
Printed Name: Denise Menoud	
Title: Admin Field Support	Approval Date: _____ Expiration Date: _____
E-mail Address: denise.menoud@dvn.com	Conditions of Approval: _____ Attached <input type="checkbox"/>
Date: 10/25/2017 Phone: (575)746-5544	

\* Attach Additional Sheets If Necessary

Total Spilled 350 BPW

N Thistle 2 St 2H

5 Lat: 32.339810° N  
Lon: 103.540839° W

4 Lat: 32.336293° N  
Lon: 103.546804° W

Site 5

Site 4

1 Lat: 32.326430° N  
Lon: 103.549980° W

Site 1

3 Lat: 32.321643° N  
Lon: 103.550924° W

Site 3

2 Lat: 32.316493° N  
Lon: 103.551181° W

Site 2

Ursula

### N Thistle 2 St 2H Spill

10/23/2017

- Devon Maintained City Boundaries
- Devon Maintained City ETJ



This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
Prepared by: Menoud  
Map is current as of: 25-Oct-2017



Miles

0 0.14 0.28 0.56 1:28,457

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 11/6/2017 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 1RP-4868 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 1 office in Hobbs on or before 12/17/2017. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505  
505-476-3465  
jim.griswold@state.nm.us

Incident ID	nOY1732130408
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*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?	<u>N/A</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



Incident ID	nOY1732130408
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved     
 Approved with Attached Conditions of Approval     
 Denied     
 Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nOY1732130408
District RP	
Facility ID	
Application ID	

## Closure

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

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: \_\_\_\_\_ Dale Woodall \_\_\_\_\_ Title: \_\_\_ Env. Professional \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_ 11/30/23 \_\_\_\_\_

email: \_\_\_ dale.woodall@dvn.com \_\_\_\_\_ Telephone: \_\_\_ 575-748-1838 \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## **SAMPLING NOTIFICATIONS**

---

**From:** [Ethan Sessums](#)  
**To:** [Enviro, OCD, EMNRD](#)  
**Cc:** [NTG Env Carlsbad](#)  
**Subject:** Sampling Notification  
**Date:** Thursday, October 19, 2023 12:57:37 PM  
**Attachments:** [image001.png](#)

NTGE on behalf of DEVON will be conducting confirmation sampling the entire week of the 23<sup>rd</sup> starting at 2 p.m. MDT and ending close of business Friday the 27<sup>th</sup>.

nOY1732130408	North Thistle 2 State #002H	10/23/2017
---------------	-----------------------------	------------

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



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**From:** [Kellan Smith](#)  
**To:** [Enviro, OCD, EMNRD](#)  
**Cc:** [NTG Env Carlsbad](#)  
**Subject:** Sampling Notification - nOY1732130408  
**Date:** Thursday, October 26, 2023 11:28:16 AM

---

NTGE, on behalf of Devon Energy Production Company (DEVON), will be conducting confirmation sampling at the North Thistle 2 State #002H (nOY1732130408) the entire week of October 30<sup>th</sup>, 2023, through November 3<sup>rd</sup>, 2023, starting at 9 a.m. MDT Monday morning and ending at the close of business Friday afternoon.

Incident ID: nOY1732130408

Thank you!

**Kellan Smith**

Project Scientist | **NTG Environmental – Carlsbad, NM**

W: 832.374.0004 | M: 580.682.1889 | [ksmith@ntglobal.com](mailto:ksmith@ntglobal.com) | [www.ntgenvironmental.com](http://www.ntgenvironmental.com)

## **SITE CHARACTERIZATION INFORMATION**

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**NMOCD Closure Criteria**

North Thistle 2 State #002H

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

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

\* - numerical limit or background, whichever is greater

# OCD Well Locations - Karst



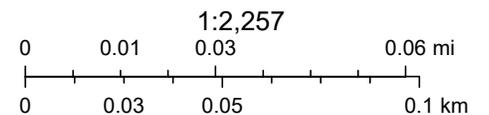
11/30/2023, 10:00:34 AM

Wells - Large Scale Karst Occurrence Potential

• Oil, Active     Low

PLSS Second Division

PLSS First Division



BLM, OCD, New Mexico Tech, Maxar, Microsoft, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

# OSE POD Locations Map



8/2/2023, 2:38:23 PM

GIS WATERS PODs

Water Right Regulations

Surface Estate

SiteBoundaries

● GIS WATERS PODs

Closure Area

Both Estates

OSE District Boundary

New Mexico State Trust Lands

NHD Flowlines

Subsurface Estate

Stream River

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

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

# National Flood Hazard Layer FIRMette



103°33'19"W 32°19'50"N



## Legend

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

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

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

0 250 500 1,500 2,000 Feet

1:6,000

103°32'41"W 32°19'20"N

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 8/2/2023 at 3:43 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



# Thistle 2 State #002H



August 2, 2023

### Wetlands

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

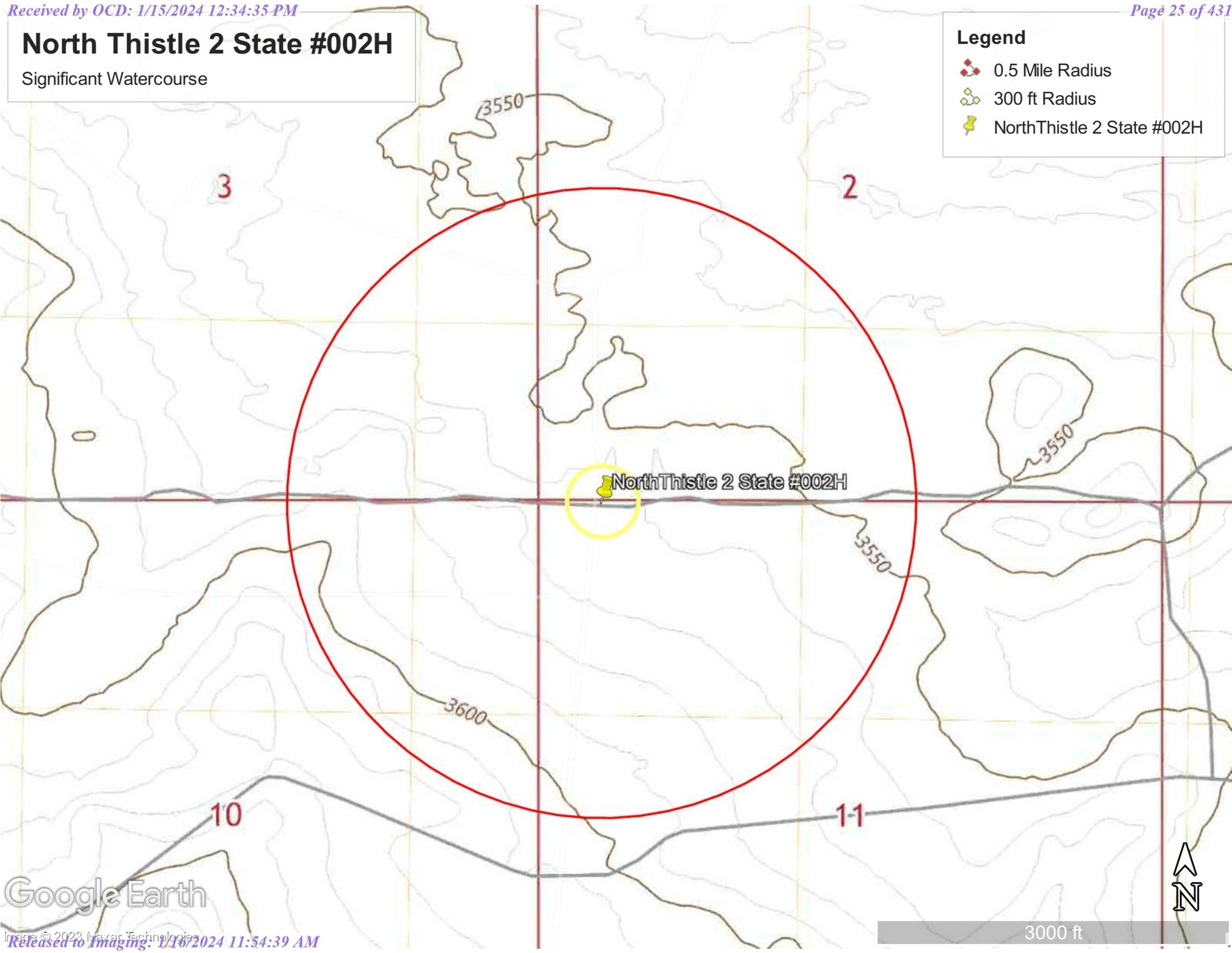
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# North Thistle 2 State #002H

Significant Watercourse

**Legend**

-  0.5 Mile Radius
-  300 ft Radius
-  NorthThistle 2 State #002H



Google Earth

3000 ft

## **TABLES**

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**Table 1 (L1)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
<b>Vertical Delineation Samples</b>													
V-1	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>42.9</b>
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>128</b>
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>71.0</b>
	8/29/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.1	<25.0	<25.0	<50.0	<50.0	<b>62.9</b>
V-2	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>83.6</b>
V-3	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
V-4	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	1.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>109</b>
V-5	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>46.9</b>
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>106</b>
V-6	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>56.4</b>
<b>Horizontal Delineation Samples</b>													
H-1	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>
H-2	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-3	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-5	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-6	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

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

~~SP-1~~ Sample Point Excavated

**Table 1 (L2)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	---	100 mg/kg	600 mg/kg		
<b>Vertical Delineation Samples</b>													
V-1	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>42.9</b>
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-2	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-3	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-4	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-5	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-6	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
<b>Horizontal Delineation Samples</b>													
H-1	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-2	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-3	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

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

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

**Table 1 (L3)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table 1 Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
<b>Vertical Delineation Samples</b>													
V-1	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
	8/16/2023	1.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
	8/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
	8/16/2023	2.5-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
	8/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1800
	8/16/2023	3.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2160
V-2	8/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1800
	8/16/2023	4.5-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2760
	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	8/16/2023	1.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
	8/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
	8/16/2023	2.5-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
V-3	8/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1280
	8/16/2023	3.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1800
	8/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1680
	8/16/2023	4.5-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1070
	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
	8/16/2023	1.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
V-4	8/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
	8/16/2023	2.5-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	8/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1120
	8/16/2023	3.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1360
	8/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1260
	8/16/2023	4.5-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1280
	8/16/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	8/16/2023	0.5-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
Horizontal Delineation Samples	8/16/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/16/2023	1.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
	8/16/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
	8/16/2023	2.5-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
	8/16/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
	8/16/2023	3.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
	8/16/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1220
	H-1	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0
H-2	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

**Table 1 (L3)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
H-3	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
H-4	8/16/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

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

~~SP-1~~ Sample Point Excavated

**Table 1 (L4)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	---	100 mg/kg	600 mg/kg		
<b>Vertical Delineation Samples</b>													
V-1	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-2	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-3	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-4	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-5	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
	8/29/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	8/29/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
<b>Horizontal Delineation Samples</b>													
H-1	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
H-2	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-3	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-4	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

Notes:

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

~~SP-1~~ Sample Point Excavated

**Table 1 (L5)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	---	100 mg/kg	600 mg/kg		
<b>Vertical Delineation Samples</b>													
V-1	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	848
V-2	8/17/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8200
V-3	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2280
V-4	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
V-5	8/17/2023	0-0.5'	<0.050	<0.050	0.056	0.393	0.449	11.4	<10.0	11.4	<10.0	11.4	3320
V-6	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	110	110	122	232	1140
V-7	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
V-8	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4080
V-9	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832
V-10	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1650
<b>Test Pit Delineation Samples</b>													
TP-1	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
TP-1	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
TP-1	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
TP-1	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
TP-1	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
TP-2	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
TP-2	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
TP-2	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
TP-2	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
TP-2	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
TP-3	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
TP-3	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
TP-3	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
TP-3	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
TP-3	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
TP-4	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
TP-4	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
TP-4	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
TP-4	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
TP-4	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
TP-5	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
TP-5	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
TP-5	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
TP-5	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
TP-5	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
TP-6	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
TP-6	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
TP-6	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
TP-6	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
TP-6	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
TP-7	9/7/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

**Table 1 (L5)**  
**Summary of Soil Analytical Data - Delineation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)	
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)		
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC						
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg	
TP-7	9/7/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
TP-7	9/7/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
TP-7	9/7/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
TP-7	9/7/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>160</b>
<b>Horizontal Delineation Samples</b>														
H-1	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48</b>
H-2	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>144</b>
H-3	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48</b>
H-4	8/17/2023	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<b>96</b>

- 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 (L3)  
 Summary of Soil Analytical Data - Confirmation Samples  
 North Thistle 2 State #002H  
 Devon Energy Production Company  
 Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
<b>Confirmation Samples</b>													
CS-1	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1440
CS-1	11/2/2023	8'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	44.3
CS-2	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1550
CS-2	11/2/2023	8'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.4	70	70	<50.4	70	61.0
CS-3	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
CS-3	11/2/2023	8'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	101
CS-4	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1120
CS-4	11/2/2023	8'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	67.8
CS-5	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1410
CS-5	11/2/2023	8'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	76.2
CS-6	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	864
CS-6	11/2/2023	8'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.3	<50.3	<50.3	<50.3	<10.0	111
CS-7	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
CS-7	11/2/2023	8'	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	68.4
CS-8	10/24/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-8	11/2/2023	8'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	77.1
<b>Sidewall Samples</b>													
SW-1	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1060
SW-1A	11/2/2023	0-8'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	77.5
SW-2	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-3	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-4	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SW-5	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-6	10/24/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144

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 (L5)**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**North Thistle 2 State #002H**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)					
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)						
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
								10 mg/kg	---	---	---	50 mg/kg		---	---	---	---	100 mg/kg
<b>Confirmation Samples</b>																		
CS-1	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80					
<del>CS-2</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	624					
CS-2	11/2/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32					
<del>CS-3</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	768					
CS-3	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80					
<del>CS-4</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1010					
CS-4	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32					
CS-5	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384					
CS-6	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272					
CS-7	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32					
<del>CS-8</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	928					
CS-8	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240					
CS-9	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208					
CS-10	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64					
CS-11	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320					
CS-12	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320					
<del>CS-13</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1260					
CS-13	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64					
CS-14	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80					
CS-15	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176					
CS-16	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320					
CS-17	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176					
CS-18	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448					
<del>CS-19</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1280					
CS-19	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224					
<del>CS-20</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	720					
CS-20	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48					
CS-21	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320					
CS-22	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512					
CS-23	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304					
CS-24	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336					
<del>CS-25</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	896					
CS-25	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208					
CS-26	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512					
CS-27	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352					
<del>CS-28</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	608					
CS-28	11/2/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32					
CS-29	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48					
<del>CS-30</del>	<del>10/24/2023</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	784					
CS-30	10/24/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112					
CS-31	10/24/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320					
CS-32	10/24/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160					

Table 2 (L5)  
 Summary of Soil Analytical Data - Confirmation Samples  
 North Thistle 2 State #002H  
 Devon Energy Production Company  
 Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
CS-33	10/24/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-34	10/24/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CS-35	10/24/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
<b>Sidewall Samples</b>													
SW-1	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW-2	10/24/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-3	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	944
SW-3A	11/2/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-4	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1120
SW-4A	11/2/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-5	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-6	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
SW-6A	11/2/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-7	10/24/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-8	10/24/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-9	10/24/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-10	10/24/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1960
SW-10A	11/2/2023	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-11	10/24/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-12	10/24/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1100
SW-12A	11/2/2023	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW-13	10/24/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-14	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-15	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-16	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-17	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-18	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-19	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SW-20	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-21	11/2/2023	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96

Notes:

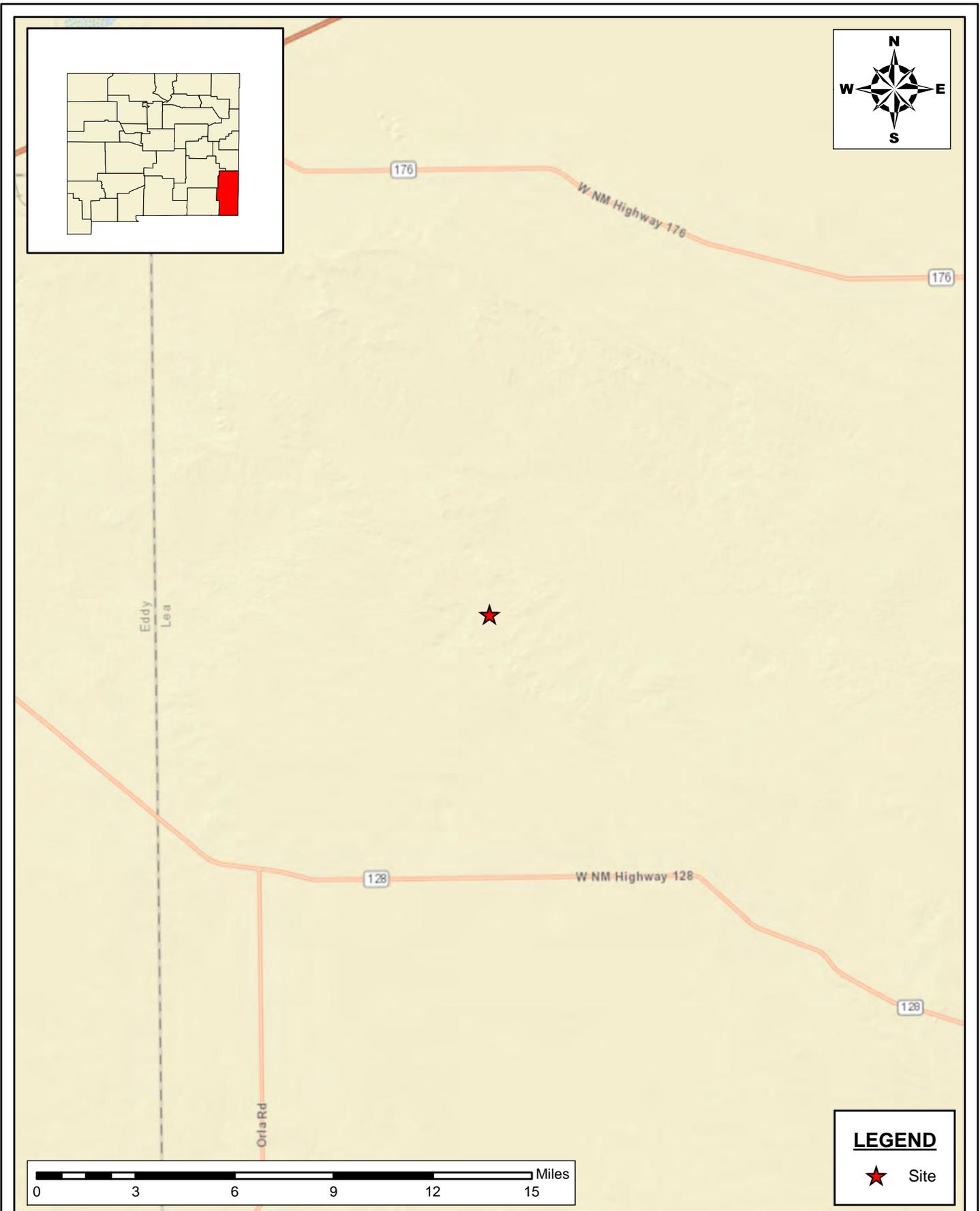
- 1. Values reported in mg/kg
- 2. < = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that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

SP-1 Sample Point Excavated

## **FIGURES**

---

Document Path: P:\2023 PROJECTS\DEVON\RSO\237627 - North Thistle 2 State #002H7 - Figures\GIS\Figure\_1\_SL.mxd



**TOPOGRAPHIC MAP  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

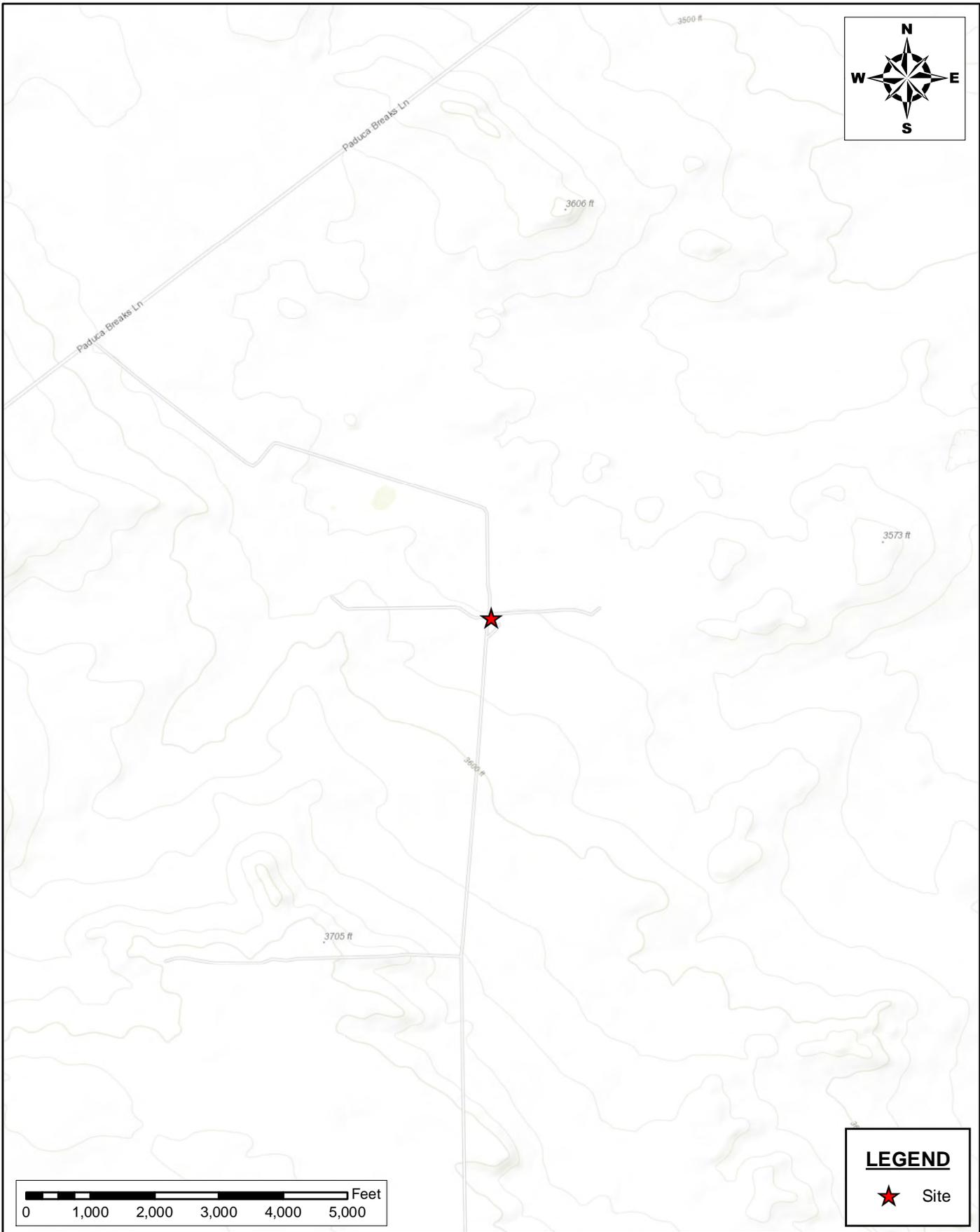
SCALE: As Shown    Date: 9/19/2023    PROJECT #: 237627

  
**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
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**NOTES:**  
 1. Base Image: ESRI Maps & Data 2013  
 2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 1**  
 SHEET NUMBER:  
**1 of 1**

Document Path: P:\2023 PROJECTS\DEVON\RSC\237627- North Thistle 2 State #002HY- Figures\GIS\Figure\_2\_TM.mxd



**SITE LOCATION MAP  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO



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**NOTES:**

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

DRAWING NUMBER:

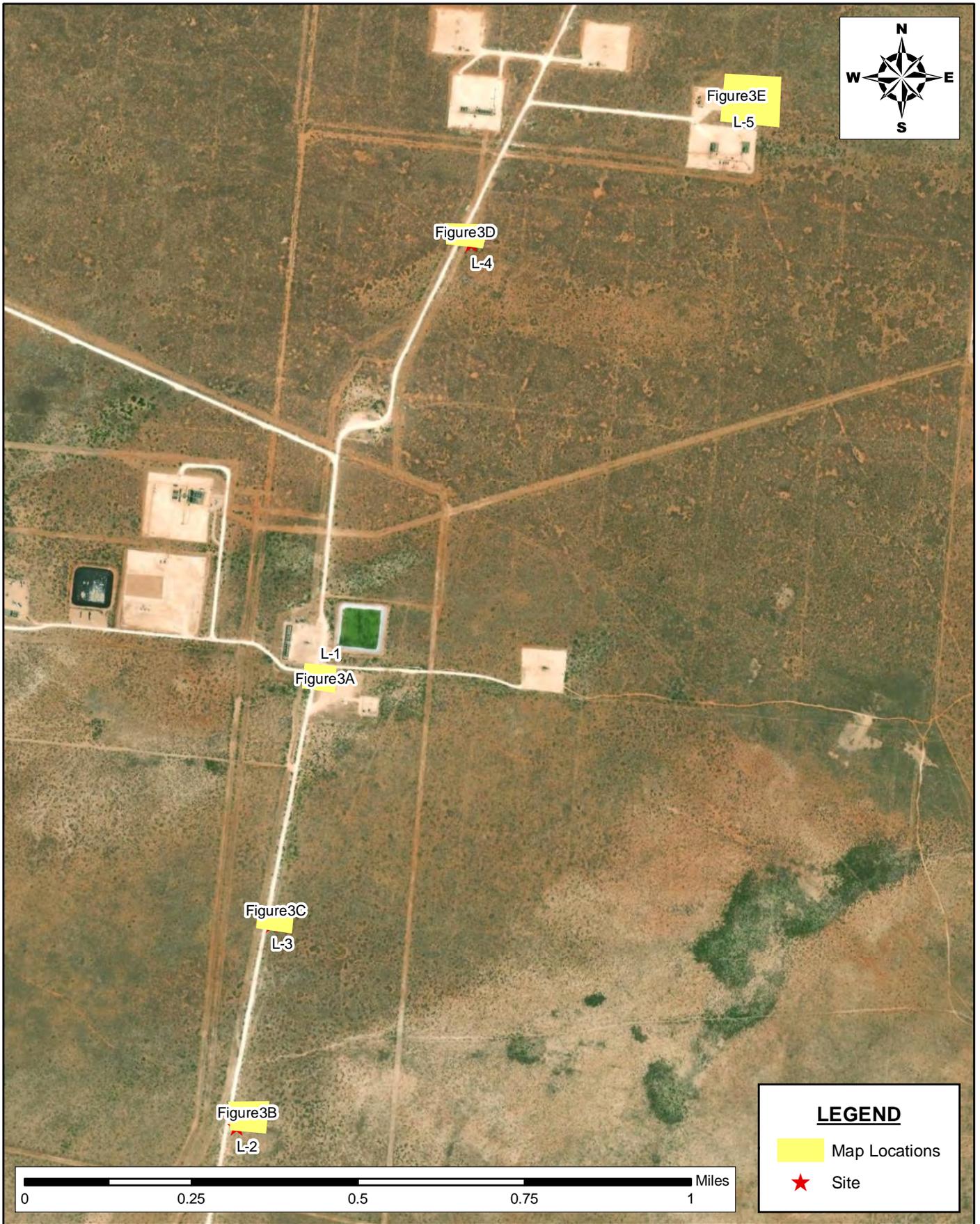
**FIGURE 2**

SHEET NUMBER:

**1 of 1**

SCALE: As Shown    Date: 9/25/2023    PROJECT #: 237627

Document Path: P:\2023 PROJECTS\DEVON\IRSC\237627 - North Thistle 2 State #002H17 - Figures\GIS\Figure\_3\_overview\Closure Map.mxd



**INITIAL SAMPLING MAP  
CLOSURE REPORT**  
NORTH THISTLE 2 STATE #002H  
DEVON ENERGY PRODUCTION COMPANY  
LEA COUNTY, NEW MEXICO



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**NOTES:**

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

DRAWING NUMBER:

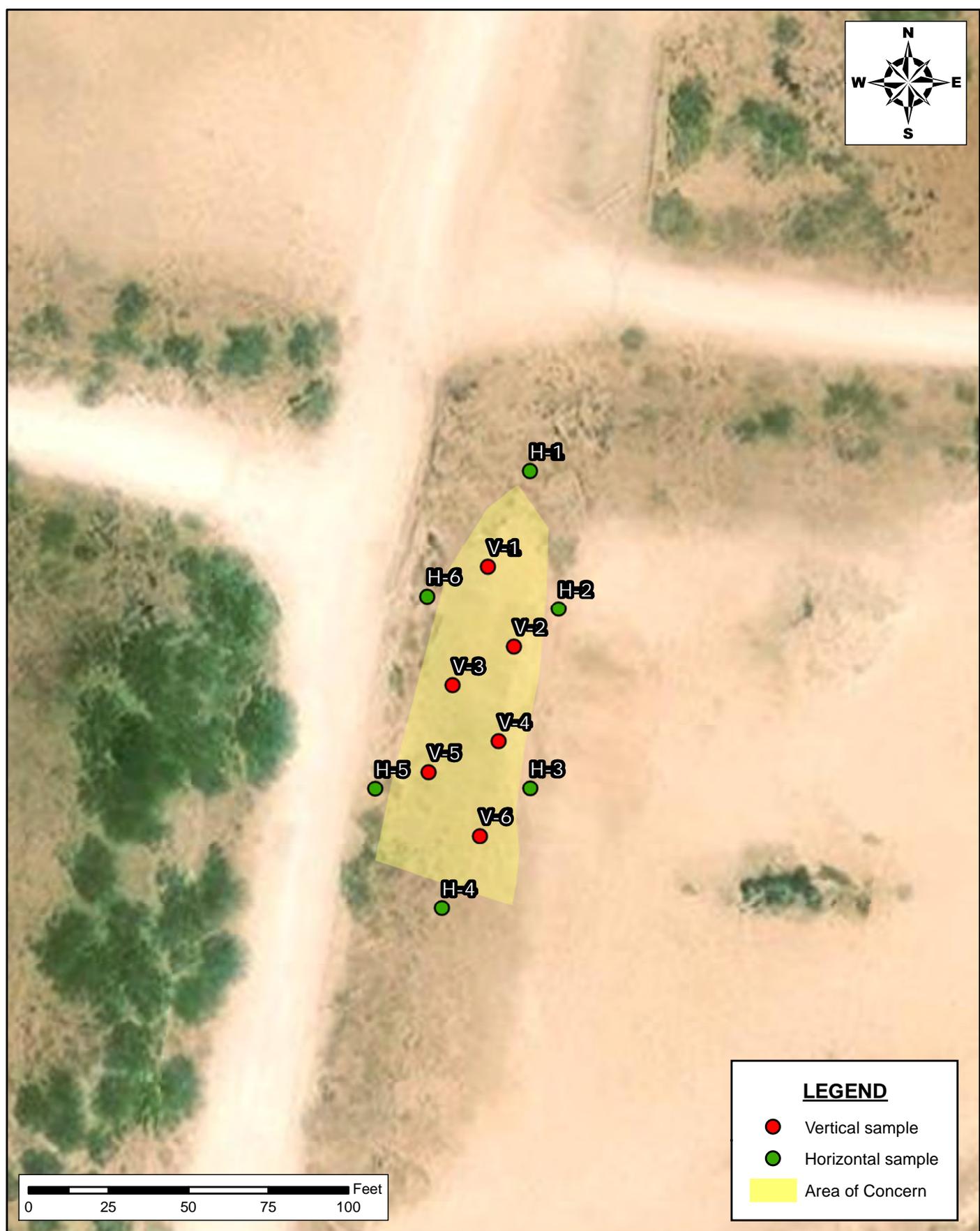
**FIGURE 3**

SHEET NUMBER:

**1 of 1**

SCALE: AS SHOWN    DATE: 09/20/2023    PROJECT #: 237627

Document Path: P:\2023 PROJECTS\DEVON\NRSO\237627 - North Thistle 2 State #002HY7 - Figures\GIS\Figure\_3A\_Closure Map.mxd



**LEGEND**

- Vertical sample
- Horizontal sample
- Area of Concern

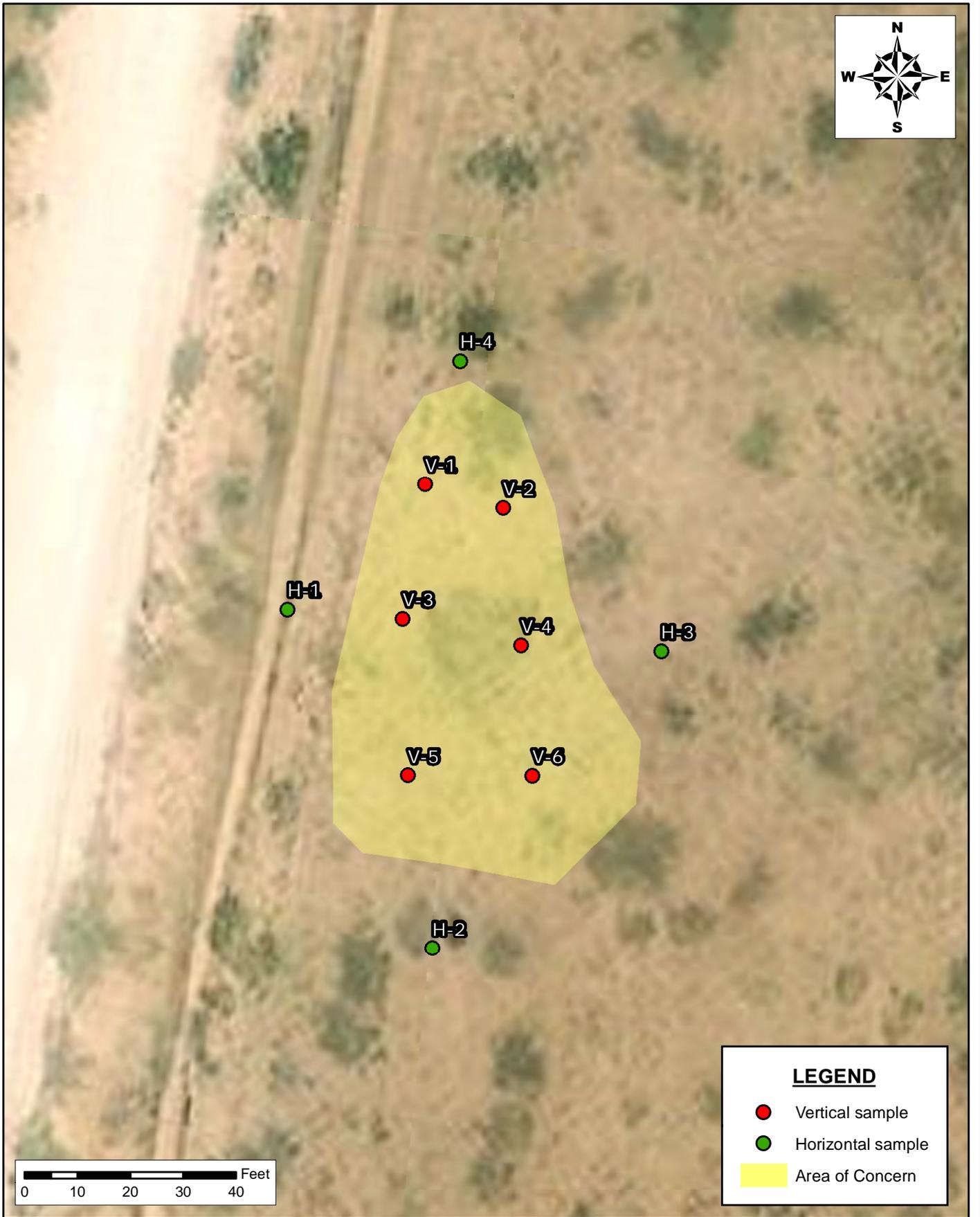
**INITIAL SAMPLING MAP - L1  
CLOSURE**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 09/19/2023    PROJECT #: 237627

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

DRAWING NUMBER:  
**FIGURE 3A**  
 SHEET NUMBER:  
**1 of 1**



**LEGEND**

- Vertical sample
- Horizontal sample
- Area of Concern

Document Path: P:\2023 PROJECTS\DEVON\IRSC\237627 - North Thistle 2 State #002H\7 - Figures\GIS\Figure\_3B\_Closure Map.mxd

**INITIAL SAMPLING MAP - L2  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

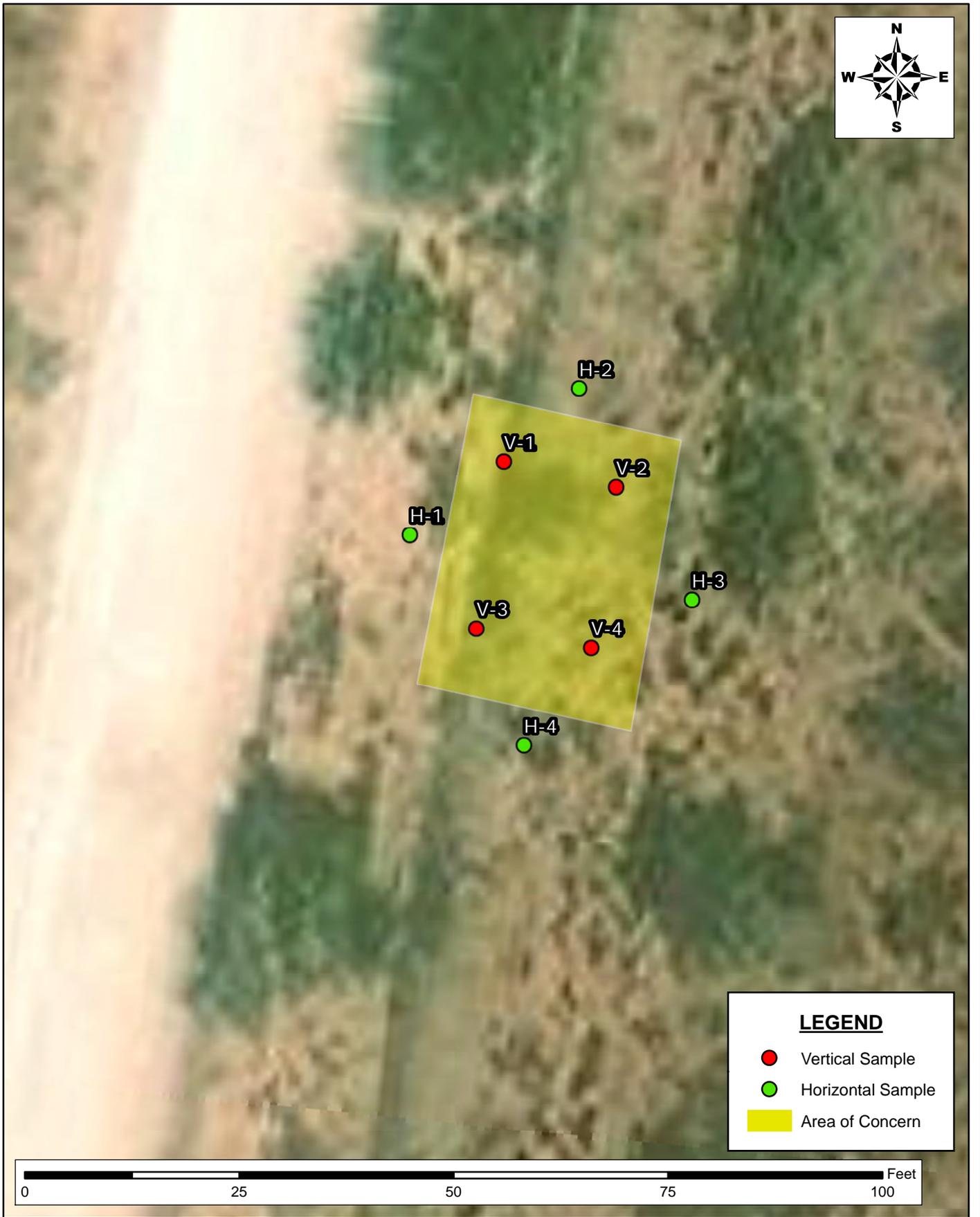
SCALE: AS SHOWN    DATE: 09/20/2023    PROJECT #: 237627

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

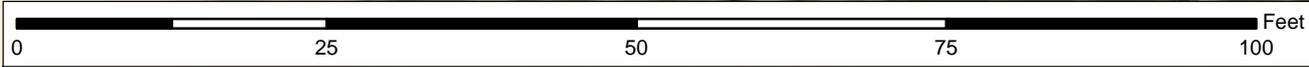
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**FIGURE 3B**  
 SHEET NUMBER:  
**1 of 1**

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**LEGEND**

- Vertical Sample
- Horizontal Sample
- Area of Concern



**INITIAL SAMPLING MAP - L3  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION CORPORATION  
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 11/30/2023    PROJECT #: 237627

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

DRAWING NUMBER:  
**FIGURE 3C**  
 SHEET NUMBER:  
**1 of 1**



**LEGEND**

- Vertical sample
- Horizontal sample
- Area of Concern

Document Path: P:\2023 PROJECTS\DEVON\RSO\237627 - North Thistle 2 State #002HY - Figures\GIS\Figure\_3D\_Closure Map.mxd

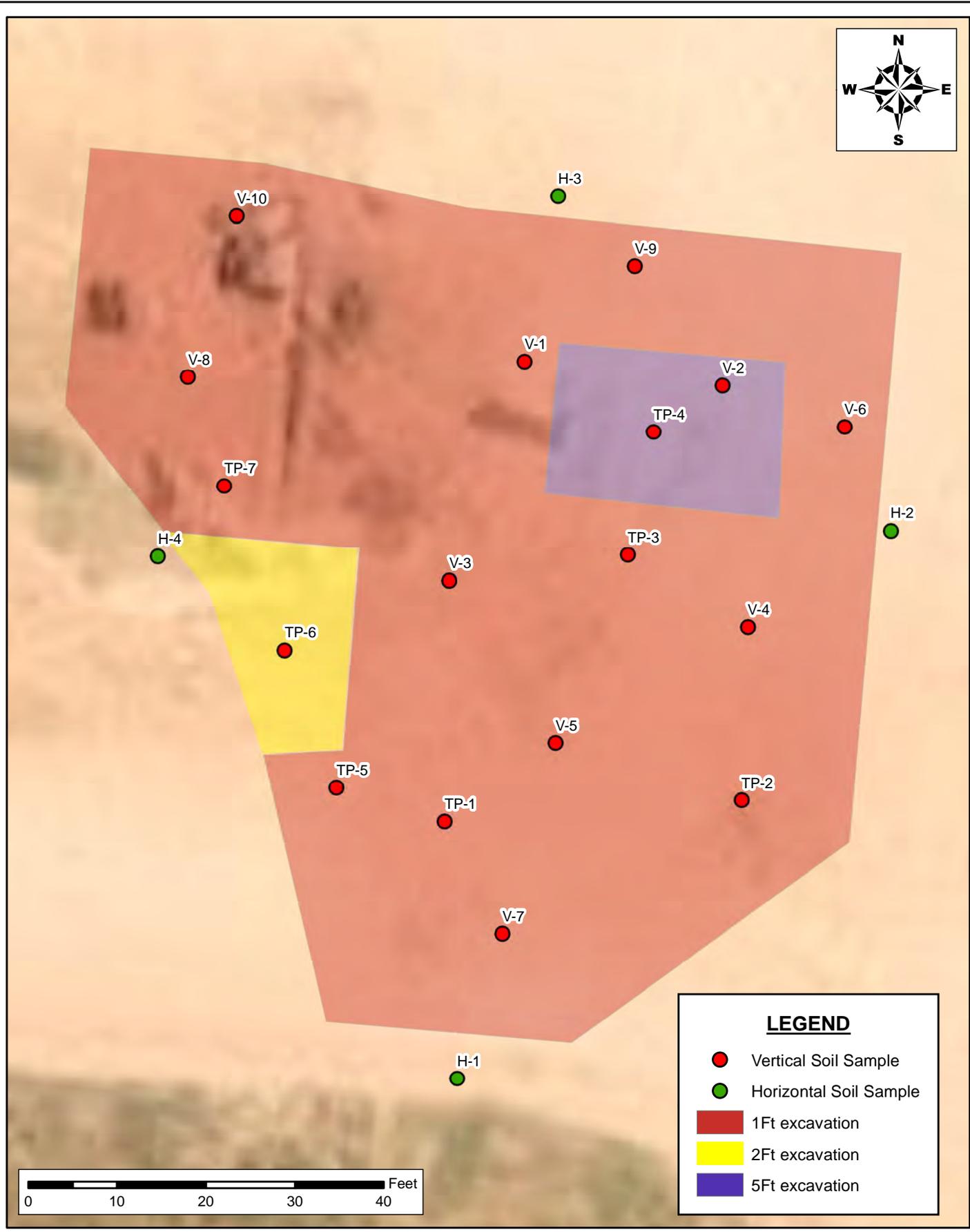
**INITIAL SAMPLING MAP - L4  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 09/19/2023    PROJECT #: 237627

  
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 Web: www.ntgenvironmental.com

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

DRAWING NUMBER:  
**FIGURE 3D**  
 SHEET NUMBER:  
**1 of 1**



**LEGEND**

- Vertical Soil Sample
- Horizontal Soil Sample
- 1Ft excavation
- 2Ft excavation
- 5Ft excavation



Document Path: P:\2023 PROJECTS\DEVON\SC\237627- North Thistle 2 State #002H17- Figures\GIS\Figure\_3E\_Closure Map.mxd

**INITIAL SAMPLING MAP - L5  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

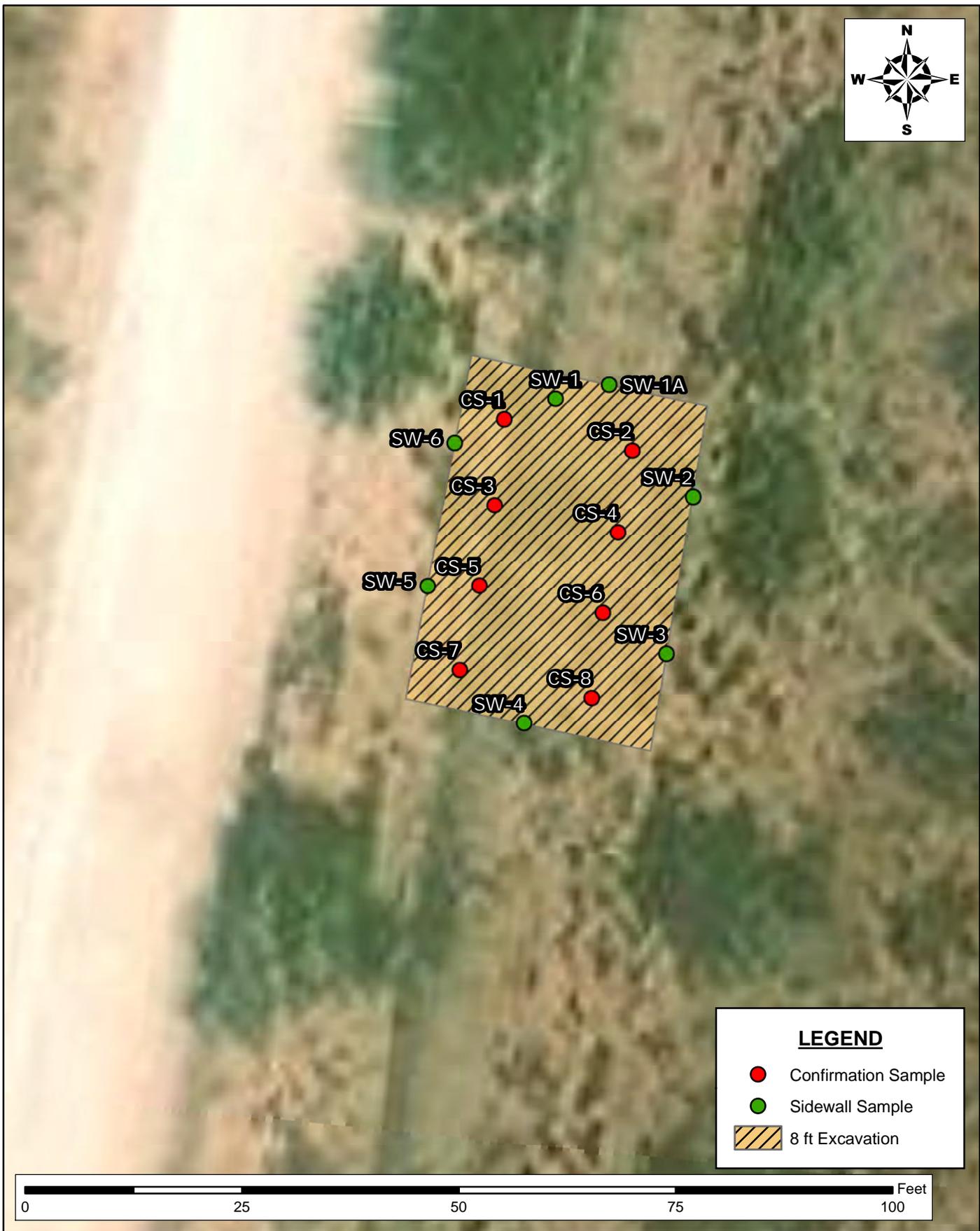
SCALE: AS SHOWN    DATE: 11/17/2023    PROJECT #: 237627

  
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 Houston, Texas 77060  
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 Web: www.ntgenvironmental.com

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

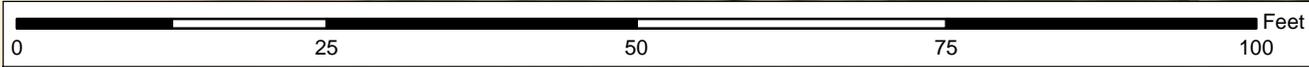
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**1 of 1**

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**LEGEND**

- Confirmation Sample
- Sidewall Sample
- 8 ft Excavation



**CONFIRMATION SAMPLING MAP - L3  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION CORPORATION  
 LEA COUNTY, NEW MEXICO

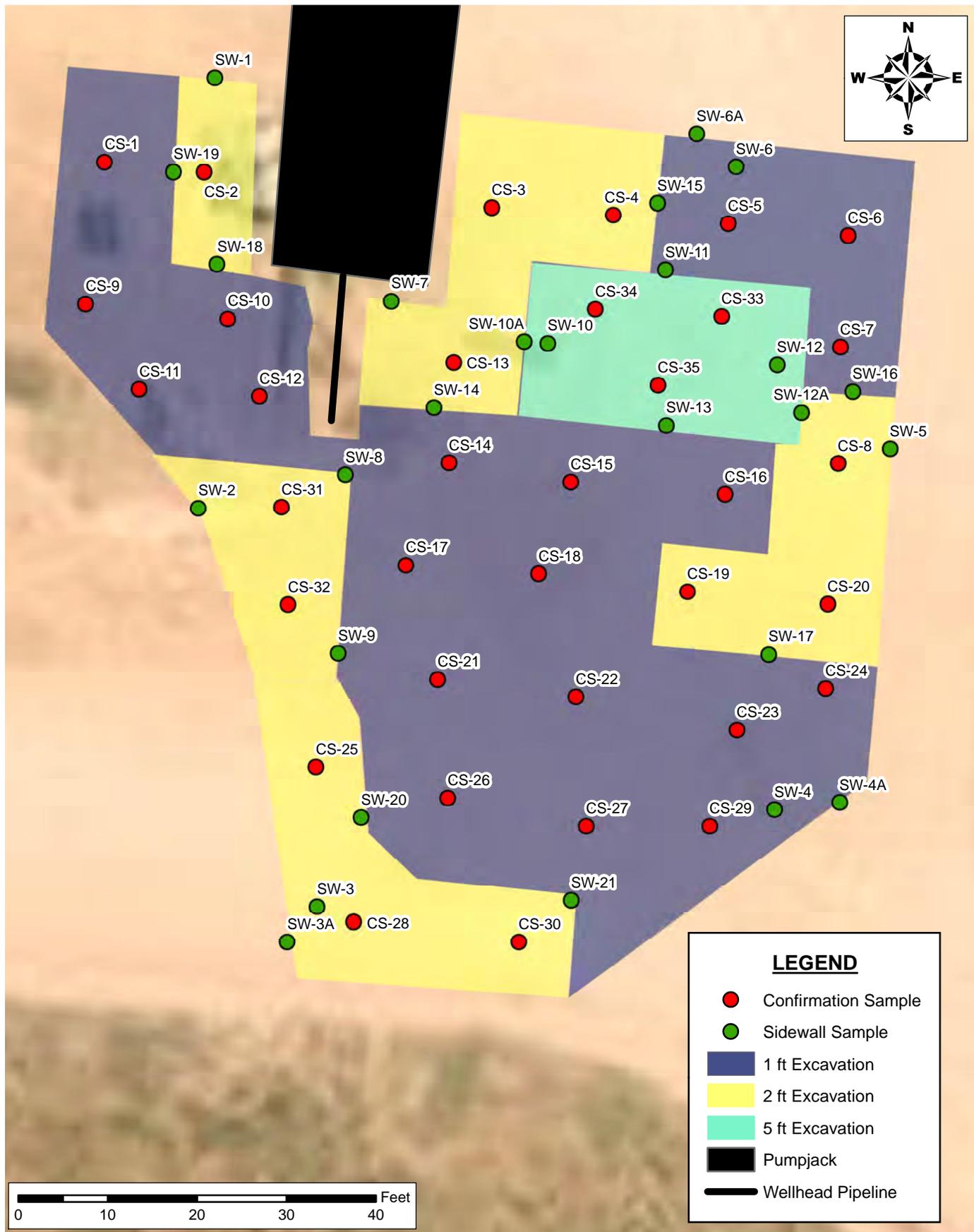
SCALE: AS SHOWN    DATE: 11/30/2023    PROJECT #: 237627

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

DRAWING NUMBER:  
**FIGURE 4A**  
 SHEET NUMBER:  
**1 of 1**

Document Path: C:\Users\ntg\gis\New\_Tech\_Global\NTGE - Documents\2023 PROJECTS\DEVON\RSC\237627 - North Thistle 2 State #002H\7- Figures\GIS\Figure\_4B\_v2.mxd



**CONFIRMATION SAMPLING MAP - L5  
CLOSURE REPORT**  
 NORTH THISTLE 2 STATE #002H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN    DATE: 11/30/2023    PROJECT #: 237627



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 Houston, Texas 77060  
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 F - 281.872.4521  
 Web: www.ntgenvironmental.com

**NOTES:**

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

DRAWING NUMBER:

**FIGURE 4B**

SHEET NUMBER:

**1 of 1**

**PHOTOGRAPHIC LOG**

---

**PHOTOGRAPHIC LOG**  
Devon Energy Production Company  
North Thistle 2 State #002H

**Photograph No. 1**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L1.



**Photograph No. 2**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L1.



**Photograph No. 3**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L1.



**PHOTOGRAPHIC LOG**  
Devon Energy Production Company  
North Thistle 2 State #002H

**Photograph No. 4**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L2.



**Photograph No. 5**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L2.



**Photograph No. 6**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L2.



**PHOTOGRAPHIC LOG**  
Devon Energy Production Company  
North Thistle 2 State #002H

**Photograph No. 7**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L3.



**Photograph No. 8**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L3.



**Photograph No. 9**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L3.



**PHOTOGRAPHIC LOG**  
Devon Energy Production Company  
North Thistle 2 State #002H

**Photograph No. 10**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L4.



**Photograph No. 11**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L4.



**Photograph No. 12**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L4.



**PHOTOGRAPHIC LOG**  
Devon Energy Production Company  
North Thistle 2 State #002H

**Photograph No. 13**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L5.



**Photograph No. 14**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L5.



**Photograph No. 15**

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern - L5.



# PHOTOGRAPHIC LOG

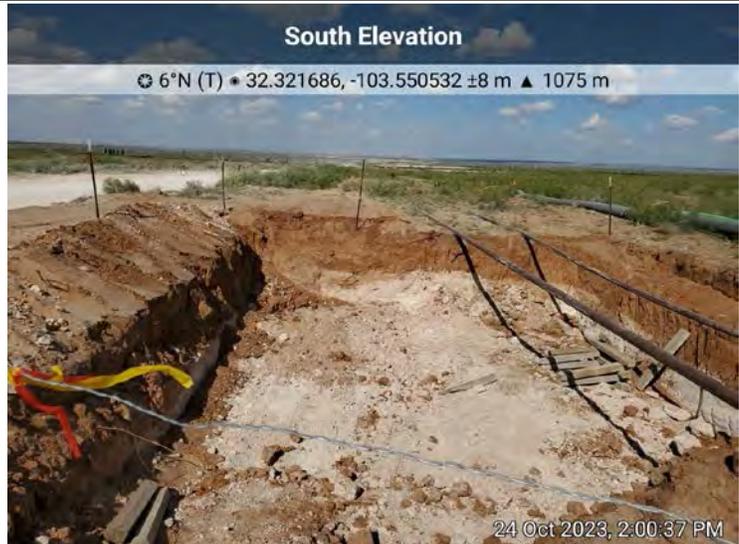
Devon Energy Production Company  
North Thistle 2 State #002H

## Photograph No. 16

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L3.



## Photograph No. 17

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L3.



## Photograph No. 18

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L3.



# PHOTOGRAPHIC LOG

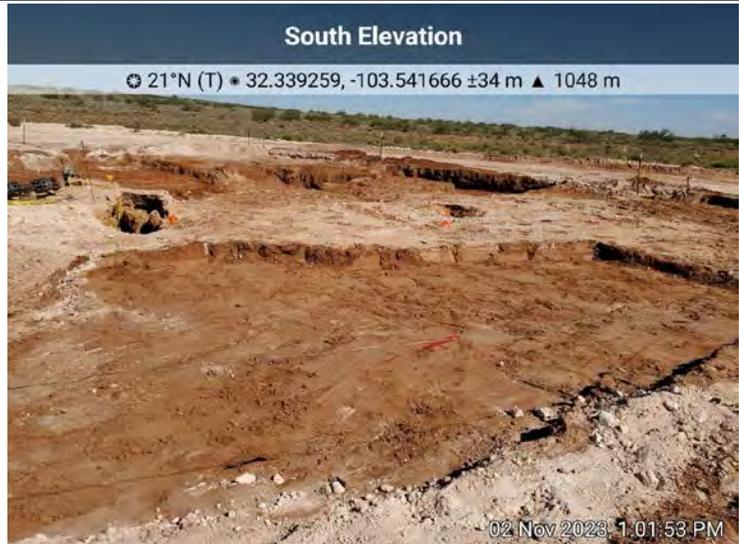
Devon Energy Production Company  
North Thistle 2 State #002H

## Photograph No. 19

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L5.



## Photograph No. 20

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L5.



## Photograph No. 21

**Facility:** North Thistle 2 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of the Excavation - L5.



**LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**



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

---

August 24, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L1

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 13:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (0-6") (H234502-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (0-6") (H234502-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (6"-1') (H234502-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (0-6") (H234502-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	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	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (6"-1') (H234502-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (1-1.5') (H234502-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (0-6") (H234502-07)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264		
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01		
Total BTEX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97		
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21		
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND						

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (6''-1') (H234502-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (1-1.5') (H234502-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (1.5-2') (H234502-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 5 (0-6") (H234502-11)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264		
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01		
Total BTEX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97		
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21		
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND						

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 5 (6''-1') (H234502-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 6 (0-6") (H234502-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 6 (6''-1') (H234502-14)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 6 (1-1.5') (H234502-15)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 1 (SURFACE) (H234502-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 2 (SURFACE) (H234502-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 3 (SURFACE) (H234502-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 4 (SURFACE) (H234502-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 5 (SURFACE) (H234502-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	175	87.6	200	5.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	180	89.8	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L1	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 6 (SURFACE) (H234502-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A234502

Page 1 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	432-766-1918	Email:	Wesley.Mathews@dmn.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Sup	
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PSTR/J <input type="checkbox"/> TR <input type="checkbox"/> L	
Deliverables: <input checked="" type="checkbox"/> EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:	Project Number:	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
North Thistle 2 State #002H L1	237627							
Project Location:	Lea Co. New Mexico	Due Date:	TAT starts the day received by the lab, if received by 4:30pm					
Sampler's Name:	Grant Gardner/Alex Gavia							
PO #:	21199816							
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received In tact:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	140				
Cooler Custody Seals:	Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.82				
Total Containers:	Corrected Temperature:	21						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
V-1 (0-6")	8/16/2023	10:00	X		Grab	1	X X X	
V-2 (0-6")	8/16/2023	10:03	X		Grab	1	X X X	
V-2 (6"-1')	8/16/2023	10:06	X		Grab	1	X X X	
V-3 (0-6")	8/16/2023	10:09	X		Grab	1	X X X	
V-3 (6"-1')	8/16/2023	10:12	X		Grab	1	X X X	
V-3 (1-1.5)	8/16/2023	10:15	X		Grab	1	X X X	
V-4 (0-6")	8/16/2023	10:18	X		Grab	1	X X X	
V-4 (6"-1')	8/16/2023	10:21	X		Grab	1	X X X	
V-4 (1-1.5')	8/16/2023	10:24	X		Grab	1	X X X	
V-4 (1.5-2')	8/16/2023	10:27	X		Grab	1	X X X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>[Signature]</i>	8/17/23 4:00pm	<i>[Signature]</i>	<i>[Signature]</i>	8-18-23 1330
3					4
5					6



Chain of Custody

Work Order No: H234502

Page 2 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West Mckay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	432-766-1918	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PS	PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level:	Level <input type="checkbox"/> PST/UD <input type="checkbox"/> TR <input type="checkbox"/> LD <input type="checkbox"/>
Deliverables:	EDU <input checked="" type="checkbox"/> ADAP <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	North Thistle 2 State #002H L1	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
Project Number:	237627	Due Date:						
Project Location:	Lea Co. New Mexico	TAT starts the day received by the lab. If received by 4:30pm						
Sampler's Name:	Grant Gardner/Alex Gavia							
PO #:	21199816							
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:						
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.82					
Total Containers:	21	Corrected Temperature:						
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
V-5 (0-6")	8/16/2023	10:30	X		Grab	1	X	X
V-5 (6-1)	8/16/2023	10:33	X		Grab	1	X	X
V-6 (0-6")	8/16/2023	10:36	X		Grab	1	X	X
V-6 (6"-1)	8/16/2023	10:39	X		Grab	1	X	X
V-6 (1-1.5')	8/16/2023	10:42	X		Grab	1	X	X
H-1 (surface)	8/16/2023	10:45	X		Grab	1	X	X
H-2 (surface)	8/16/2023	10:48	X		Grab	1	X	X
H-3 (surface)	8/16/2023	10:51	X		Grab	1	X	X
H-4 (surface)	8/16/2023	10:54	X		Grab	1	X	X
H-5 (surface)	8/16/2023	10:57	X		Grab	1	X	X

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>WAG</i>	8/17/23	4:00pm	<i>WAG</i>	
3					
5					





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August 25, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L2

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 13:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (0-6") (H234504-01)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (0-6") (H234504-02)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (0-6") (H234504-03)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (0-6") (H234504-04)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 5 (0-6") (H234504-05)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114		
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253		
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222		
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297		
Total BTEX	<0.300	0.300	08/24/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06		
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91		
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND						

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 6 (0-6") (H234504-06)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	166	83.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.7	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 1 (SURFACE) (H234504-07)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	166	83.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.7	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 2 (SURFACE) (H234504-08)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	166	83.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.7	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 3 (SURFACE) (H234504-09)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	166	83.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.7	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L2	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 4 (SURFACE) (H234504-10)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	166	83.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.7	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1834504

Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PS	PR <input type="checkbox"/> Brownfile <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level	<input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	ED <input checked="" type="checkbox"/> ADAP <input type="checkbox"/> Other:

Project Name:	North Thistle 2 State #002H L2	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	237627	Due Date:			
Project Location:	Lea Co, New Mexico	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Grant Gardner/Alex Gavia	Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
PO #:	21198816	Thermometer ID:	140	Correction Factor:	3.8%
<b>SAMPLE RECEIPT</b>		Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	3.8%
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:	10	Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
V-1 (0-6")	8/16/2023	12:00	X		Grab	1	BTEX 8021B		None: NO	DI Water: H <sub>2</sub> O
V-2 (0-6")	8/16/2023	12:03	X		Grab	1	TPH 8015M ( GRO + DRO + MRO)		Cool: Cool	MeOH: Me
V-3 (0-6")	8/16/2023	12:06	X		Grab	1	Chloride 4500		HCL: HC	HNO <sub>3</sub> : HN
V-4 (0-6")	8/16/2023	12:09	X		Grab	1			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
V-5 (0-6")	8/16/2023	12:12	X		Grab	1			H <sub>3</sub> PO <sub>4</sub> : HP	
V-6 (0-6")	8/16/2023	12:15	X		Grab	1			NaHSO <sub>4</sub> : NABIS	
H-1 (surface)	8/16/2023	12:18	X		Grab	1			Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NASO <sub>5</sub>	
H-2 (surface)	8/16/2023	12:21	X		Grab	1			Zn Acetate+NaOH: Zn	
H-3 (surface)	8/16/2023	12:24	X		Grab	1			NaOH+Ascorbic Acid: SAPC	
H-4 (surface)	8/16/2023	12:27	X		Grab	1				

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
Grant Gardner	Wesley Mathews	8/17/23	Wesley Mathews	Wesley Mathews	8/18/23 1330



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August 24, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L3

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 13:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (0-6") (H234501-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (6"-1') (H234501-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	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	<16.0	16.0	08/22/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (1-1.5') (H234501-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (1.5-2') (H234501-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	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	96.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (2-2.5') (H234501-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (2.5-3') (H234501-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	189	94.6	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	178	89.2	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (3-3.5') (H234501-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (3.5-4') (H234501-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	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	2160	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (4-4.5') (H234501-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (4.5-5') (H234501-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (0-6") (H234501-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (6"-1') (H234501-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (1-1.5') (H234501-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (1.5-2') (H234501-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (2-2.5') (H234501-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (2.5-3') (H234501-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	1.89	94.7	2.00	4.36	
Toluene*	<0.050	0.050	08/23/2023	ND	1.90	94.8	2.00	4.88	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.94	96.8	2.00	5.67	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.85	97.5	6.00	4.94	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (3-3.5') (H234501-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/23/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	1280	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (3.5-4') (H234501-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/23/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (4-4.5') (H234501-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/23/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	1680	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (4.5-5') (H234501-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (0-6") (H234501-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (6"-1') (H234501-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (1-1.5') (H234501-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	201	101	200	4.97	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	203	101	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (1.5-2') (H234501-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (2-2.5') (H234501-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (2.5-3') (H234501-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	608	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (3-3.5') (H234501-27)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (3.5-4') (H234501-28)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	1360	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (4-4.5') (H234501-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	1260	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (4.5-5') (H234501-30)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	1280	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (0-6") (H234501-31)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (6''-1') (H234501-32)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (1-1.5') (H234501-33)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (1.5-2') (H234501-34)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (2-2.5') (H234501-35)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	464	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (2.5-3') (H234501-36)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	2.08	104	2.00	0.563	
Toluene*	<0.050	0.050	08/24/2023	ND	2.11	106	2.00	2.02	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.07	104	2.00	0.936	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.23	104	6.00	0.284	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (3-3.5') (H234501-37)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (3.5-4') (H234501-38)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (4-4.5') (H234501-39)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 1 (SURFACE) (H234501-40)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	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	32.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 2 (SURFACE) (H234501-41)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 3 (SURFACE) (H234501-42)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/23/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/16/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 4 (SURFACE) (H234501-43)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	ND	1.99	99.5	2.00	0.264	
Toluene*	<0.050	0.050	08/24/2023	ND	1.98	99.2	2.00	0.350	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.04	102	2.00	0.864	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.15	103	6.00	1.01	
Total BTEX	<0.300	0.300	08/24/2023	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	<16.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	174	87.0	200	3.37	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	188	94.0	200	5.72	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H234521

Page 1 of 5

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/>	PR <input type="checkbox"/> Brownfields <input type="checkbox"/> RCD <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input checked="" type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:	North Thistle 2 State #002H L3	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	237627	Due Date:	
Project Location:	Lea Co, New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Grant Gardner/Alex Gavira	PO #:	21198816

Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	38°
Total Containers:	43	Corrected Temperature:	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
V-1 (0-6")	8/16/2023	1:00 PM	X		Grab	1	X	X	X
V-1 (6"-1')	8/16/2023	1:03 PM	X		Grab	1	X	X	X
V-1 (1-1.5')	8/16/2023	1:06 PM	X		Grab	1	X	X	X
V-1 (1.5-2')	8/16/2023	1:09 PM	X		Grab	1	X	X	X
V-1 (2-2.5')	8/16/2023	1:12 PM	X		Grab	1	X	X	X
V-1 (2.5-3')	8/16/2023	1:15 PM	X		Grab	1	X	X	X
V-1 (3-3.5')	8/16/2023	1:18 PM	X		Grab	1	X	X	X
V-1 (3.5-4')	8/16/2023	1:21 PM	X		Grab	1	X	X	X
V-1 (4-4.5')	8/16/2023	1:24 PM	X		Grab	1	X	X	X
V-1 (4.5-5')	8/16/2023	1:27 PM	X		Grab	1	X	X	X

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<u>WAG</u>	8/17/23		<u>Wesley Mathews</u>	8-18-23 1330



Chain of Custody

Work Order No: H234501

Page 2 of 5

Project Manager: Ethan Sessums  
 Company Name: NTG Environmental  
 Address: 209 West McKay Street  
 City, State ZIP: Carlsbad NM, 88220  
 Phone: 254-266-5456  
 Email: Wesley.Mathews@dmn.com

Bill to: (if different) Wesley Mathews  
 Company Name: Devon Energy  
 Address: 6488 Seven Rivers Highway  
 City, State ZIP: Artesia, NM 88210

Work Order Comments  
 Program:  UST/PSI  PR  Brownfields  RCT  Superfund  
 State of Project:  Reporting Level  Level  PST/U  TRP  LCP  
 Deliverables:  EDD  ADAP  Other:

Project Name: North Thistle 2 State #002H L3  
 Project Number: 237627  
 Project Location: Lea Co, New Mexico  
 Sampler's Name: Grant Gardner/Alex Gavia  
 PO #: 21198816

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

Received Intact: Yes  No   
 Cooler Custody Seals: Yes  No   
 Sample Custody Seals: Yes  No   
 Total Containers: 43

Temp Blank: Yes  No   
 Thermometer ID: 140  
 Correction Factor: 3.82  
 Temperature Reading:  
 Corrected Temperature:

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST			Preservative Codes
							BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
V-2 (0-6")	8/16/2023	1:30 PM	X		Grab	1	X	X	X	None: NO DI Water: H <sub>2</sub> O
V-2 (6"-1')	8/16/2023	1:33 PM	X		Grab	1	X	X	X	Cool: Cool MeOH: Me
V-2 (1-1.5')	8/16/2023	1:36 PM	X		Grab	1	X	X	X	HCL: HC HNO <sub>3</sub> : HN
V-2 (1.5-2')	8/16/2023	1:39 PM	X		Grab	1	X	X	X	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na
V-2 (2-2.5')	8/16/2023	1:42 PM	X		Grab	1	X	X	X	H <sub>3</sub> PO <sub>4</sub> : HP
V-2 (2.5-3')	8/16/2023	1:45 PM	X		Grab	1	X	X	X	NaHSO <sub>4</sub> : NABIS
V-2 (3-3.5')	8/16/2023	1:48 PM	X		Grab	1	X	X	X	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
V-2 (3.5-4')	8/16/2023	1:51 PM	X		Grab	1	X	X	X	Zn Acetate+NaOH: Zn
V-2 (4-4.5')	8/16/2023	1:54 PM	X		Grab	1	X	X	X	NaOH+Ascorbic Acid: SAPC
V-2 (4.5-5')	8/16/2023	1:57 PM	X		Grab	1	X	X	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>[Signature]</i>	8/17/23		<i>[Signature]</i>	8/18/23





Chain of Custody

Work Order No: H234501

Page 4 of 5

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West Mckay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments			
Program: UST/PSI	<input type="checkbox"/> PR	<input type="checkbox"/> Brownfield	<input type="checkbox"/> RCT
State of Project:	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TRP
Reporting Level:	<input type="checkbox"/> Level	<input type="checkbox"/> ADAP	<input type="checkbox"/> Other:
Deliverables:	EDD <input checked="" type="checkbox"/>		

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
					<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush				
North Thisle 2 State #002H L3	237627	Lea Co, New Mexico	Grant Gardner/Alex Gavia	21198816	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	TAT starts the day received by the lab, if received by 4:30pm			None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
<b>SAMPLE RECEIPT</b>					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140		
					Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:			
					Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	3.8°C		
					Total Containers:	43	Corrected Temperature:			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	Sample Comments
V-4 (0-6")	8/16/2023	2:30 PM	X		Grab	1	X	X	X	
V-4 (6"-1')	8/16/2023	2:33 PM	X		Grab	1	X	X	X	
V-4 (1-1.5')	8/16/2023	2:36 PM	X		Grab	1	X	X	X	
V-4 (1.5-2')	8/16/2023	2:39 PM	X		Grab	1	X	X	X	
V-4 (2-2.5')	8/16/2023	2:42 PM	X		Grab	1	X	X	X	
V-4 (2.5-3')	8/16/2023	2:45 PM	X		Grab	1	X	X	X	
V-4 (3-3.5')	8/16/2023	2:48 PM	X		Grab	1	X	X	X	
V-4 (3.5-4')	8/16/2023	2:51 PM	X		Grab	1	X	X	X	
V-4 (4-4.5')	8/16/2023	2:54 PM	X		Grab	1	X	X	X	
H-1 (surface)	8/16/2023	2:57 PM	X		Grab	1	X	X	X	

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>[Signature]</i>	8/16/23			



Chain of Custody

Work Order No: A234501

Page 5 of 5

Project Manager:	Ehan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dev.com

Program:	UST/PS	PR	Brownfield	RI	Super
State of Project:					
Reporting Level:	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TR	<input type="checkbox"/> L	<input type="checkbox"/> B
Deliverables:	EDD	ADAP	Other:		

Project Name:	North Thistle 2 State #002H L3	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	ANALYSIS REQUEST	Preservative Codes
Project Number:	237627	Due Date:	TAT starts the day received by the lab, if received by 4:30pm			None: NO DI Water: H <sub>2</sub> O Cool: Cool MeOH: Me HCL: HC HNO <sub>3</sub> : HN H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Lea Co, New Mexico	Parameters	BTEX 8021B TPH 8015M ( GRO + DRO + MRO) Chloride 4500			
Sampler's Name:	Grant Gardner/Alex Gavia	Temp Blank:	Yes <input checked="" type="checkbox"/> No	Wet Ice:	Yes <input checked="" type="checkbox"/> No	
PO #:	21198816	Thermometer ID:	140			
SAMPLE RECEIPT		Correction Factor:	3.82			
Received Intact:	Yes <input checked="" type="checkbox"/> No	Temperature Reading:	43			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No	Corrected Temperature:				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No					
Total Containers:	43					

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
H-2 (surface)	8/16/2023	3:00 PM	X		Grab	1	X	
H-3 (surface)	8/16/2023	3:03 PM	X		Grab	1	X	
H-4 (surface)	8/16/2023	3:06 PM	X		Grab	1	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>[Signature]</i>	8/17/23	4:00pm	<i>[Signature]</i>	8/18/23 1:30p



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

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August 24, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L4

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 11:17.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (0-6") (H234497-01)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	197	98.7	200	5.16	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	200	99.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (0-6") (H234497-02)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	197	98.7	200	5.16	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	200	99.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (0-6") (H234497-03)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	197	98.7	200	5.16	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	200	99.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (0-6") (H234497-04)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 5 (0-6") (H234497-05)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 70.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 1 (SURFACE) (H234497-06)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 2 (SURFACE) (H234497-07)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	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	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 3 (SURFACE) (H234497-08)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/24/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L4	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 4 (SURFACE) (H234497-09)**

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	08/23/2023	ND	1.91	95.5	2.00	0.266	
Toluene*	<0.050	0.050	08/23/2023	ND	1.87	93.6	2.00	1.10	
Ethylbenzene*	<0.050	0.050	08/23/2023	ND	1.99	99.7	2.00	0.773	
Total Xylenes*	<0.150	0.150	08/23/2023	ND	5.87	97.9	6.00	2.02	
Total BTEX	<0.300	0.300	08/23/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/22/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	193	96.7	200	5.95	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	177	88.5	200	6.93	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager





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

August 25, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L5

Enclosed are the results of analyses for samples received by the laboratory on 08/18/23 13:30.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 1 (0-6") (H234503-01)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	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	<b>848</b>	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 2 (0-6") (H234503-02)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8200	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 3 (SURFACE) (H234503-03)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	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	2280	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 4 (SURFACE) (H234503-04)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 5 (0-6") (H234503-05)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
<b>Ethylbenzene*</b>	<b>0.056</b>	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
<b>Total Xylenes*</b>	<b>0.393</b>	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
<b>Total BTEX</b>	<b>0.449</b>	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3320</b>	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>11.4</b>	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 6 (SURFACE) (H234503-06)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1140</b>	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
<b>DRO &gt;C10-C28*</b>	<b>110</b>	10.0	08/23/2023	ND	177	88.3	200	2.91	
<b>EXT DRO &gt;C28-C36</b>	<b>122</b>	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 7 (SURFACE) (H234503-07)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 8 (SURFACE) (H234503-08)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 9 (SURFACE) (H234503-09)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: V - 10 (SURFACE) (H234503-10)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 1 (SURFACE) (H234503-11)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 2 (SURFACE) (H234503-12)**

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	08/24/2023	ND	1.92	96.1	2.00	1.74	
Toluene*	<0.050	0.050	08/24/2023	ND	2.25	113	2.00	2.64	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	2.30	115	2.00	2.44	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	6.81	113	6.00	0.975	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 3 (SURFACE) (H234503-13)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	Sampling Date:	08/17/2023
Reported:	08/25/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: H - 4 (SURFACE) (H234503-14)**

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	08/24/2023	ND	1.89	94.5	2.00	0.114	
Toluene*	<0.050	0.050	08/24/2023	ND	1.87	93.7	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/24/2023	ND	1.96	98.0	2.00	0.222	
Total Xylenes*	<0.150	0.150	08/24/2023	ND	5.85	97.5	6.00	0.297	
Total BTEX	<0.300	0.300	08/24/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/23/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2023	ND	162	81.0	200	3.06	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: North Thistle 2 State #002H L1

Work Order: E308244

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/8/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/8/23



Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: North Thistle 2 State #002H L1  
Workorder: E308244  
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: North Thistle 2 State #002H L1.

The analytical test results summarized in this report with the Project Name: North Thistle 2 State #002H L1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 12:59
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 1-1.5'	E308244-01A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 2-2.5'	E308244-02A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 3-3.5'	E308244-03A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 4-4.5'	E308244-04A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 1-1.5'	E308244-05A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 2-2.5'	E308244-06A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 1-1.5'	E308244-07A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 2-2.5'	E308244-08A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-6 2-2.5'	E308244-09A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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**V-1 1-1.5'**  
**E308244-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	42.9	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-1 2-2.5'

E308244-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	128	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-1 3-3.5'

E308244-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	71.0	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-1 4-4.5'

E308244-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	62.9	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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**V-2 1-1.5'**

**E308244-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		113 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2336059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2336050	
Chloride	83.6	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-4 2-2.5'

E308244-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		119 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	109	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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**V-5 1-1.5'**

**E308244-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	46.9	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-5 2-2.5'

E308244-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		120 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	106	20.0	1	09/06/23	09/06/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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V-6 2-2.5'

E308244-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		121 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KM		Batch: 2336059
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/08/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/08/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/06/23	09/08/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	56.4	20.0	1	09/06/23	09/06/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2335105-BLK1)

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.601		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

#### LCS (2335105-BS1)

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.59	0.0250	2.50		104	70-130			
Toluene	2.64	0.0250	2.50		106	70-130			
o-Xylene	2.78	0.0250	2.50		111	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.31	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.604		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

#### Matrix Spike (2335105-MS1)

Source: E308243-07

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.35	0.0250	2.50	ND	94.1	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135			
Toluene	2.44	0.0250	2.50	ND	97.5	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.12	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

#### Matrix Spike Dup (2335105-MSD1)

Source: E308243-07

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.52	0.0250	2.50	ND	101	48-131	7.06	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	7.55	27	
Toluene	2.64	0.0250	2.50	ND	106	48-130	7.92	24	
o-Xylene	2.80	0.0250	2.50	ND	112	43-135	9.09	27	
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135	9.52	27	
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135	9.38	27	
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335105-BLK1)**

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.601		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

**LCS (2335105-BS2)**

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

**Matrix Spike (2335105-MS2)**

Source: E308243-07

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.618		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

**Matrix Spike Dup (2335105-MSD2)**

Source: E308243-07

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	2.35	20	
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2336059-BLK1)**

Prepared: 09/06/23 Analyzed: 09/07/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

**LCS (2336059-BS1)**

Prepared: 09/06/23 Analyzed: 09/07/23

Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

**Matrix Spike (2336059-MS1)**

Source: E308244-03

Prepared: 09/06/23 Analyzed: 09/07/23

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			

**Matrix Spike Dup (2336059-MSD1)**

Source: E308244-03

Prepared: 09/06/23 Analyzed: 09/07/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	0.915	20	
Surrogate: n-Nonane	52.5		50.0		105	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:59:30PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2336050-BLK1)**

Prepared: 09/06/23 Analyzed: 09/06/23

Chloride	ND	20.0							
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**LCS (2336050-BS1)**

Prepared: 09/06/23 Analyzed: 09/06/23

Chloride	256	20.0	250		103	90-110			
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**Matrix Spike (2336050-MS1)**

Source: E308243-01

Prepared: 09/06/23 Analyzed: 09/06/23

Chloride	7460	200	250	9090	NR	80-120			M4
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**Matrix Spike Dup (2336050-MSD1)**

Source: E308243-01

Prepared: 09/06/23 Analyzed: 09/06/23

Chloride	9740	200	250	9090	262	80-120	26.6	20	M4, R2
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 12:59
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- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R2 The RPD exceeded the acceptance limit.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



# Chain of Custody



Work Order No: E308244  
Job # 01058-0007

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

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes								
Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code																		
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H <sub>2</sub> O											
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm							Cool: Cool		MeOH: Me											
PO #:									HCL HC		HNO <sub>3</sub> : HN											
SAMPLE RECEIPT		Temp Blank: Yes No							Wet Ice: Yes No		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na									
Received Intact:		Thermometer ID:							H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS											
Cooler Custody Seals:		Correction Factor:							Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		Zn Acetate+NaOH: Zn											
Sample Custody Seals:		Temperature Reading: <u>4</u>							NaOH+Ascorbic Acid: SAPC		Sample Comments											
Total Containers:		Corrected Temperature:																				
Sample Identification	Depth	Date	Time						Soil	Water	Grab/Comp	# of Cont										
V-1	1-1.5'	8/29/2023							X		Grab	1	X	X	X							1
V-1	2-2.5'	8/29/2023		X		Grab	1	X	X	X							2					
V-1	3-3.5'	8/29/2023		X		Grab	1	X	X	X							3					
V-1	4-4.5'	8/29/2023		X		Grab	1	X	X	X							4					
V-2	1-1.5'	8/29/2023		X		Grab	1	X	X	X							5					
V-4	2-2.5'	8/29/2023		X		Grab	1	X	X	X							6					
V-5	1-1.5'	8/29/2023		X		Grab	1	X	X	X							7					
V-5	2-2.5'	8/29/2023		X		Grab	1	X	X	X							8					
V-6	2-2.5'	8/29/2023		X		Grab	1	X	X	X							9					

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
<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 11:15	<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 2000
<i>[Signature]</i>	<i>[Signature]</i>	9/6/23 5:45			

Envirotech Analytical Laboratory

Printed: 9/1/2023 11:09:05AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: NTG-New Tech Global Environmental	Date Received: 09/01/23 05:45	Work Order ID: E308244
Phone: (281) 872-9300	Date Logged In: 08/31/23 14:58	Logged In By: Caitlin Mars
Email: esessums@ntglobal.com	Due Date: 09/08/23 17:00 (4 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
  - 2. Does the number of samples per sampling site location match the COC? Yes
  - 3. Were samples dropped off by client or carrier? Yes
  - 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
  - 5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Carrier: Courier

**Comments/Resolution**

Time sampled not provided on COC per client. SRC Email not sent per client request.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
  - 8. If yes, was cooler received in good condition? Yes
  - 9. Was the sample(s) received intact, i.e., not broken? Yes
  - 10. Were custody/security seals present? No
  - 11. If yes, were custody/security seals intact? NA
  - 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab:

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: North Thistle 2 State #002H L2

Work Order: E308241

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/8/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/8/23



Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: North Thistle 2 State #002H L2  
Workorder: E308241  
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: North Thistle 2 State #002H L2.

The analytical test results summarized in this report with the Project Name: North Thistle 2 State #002H L2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 12:20
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 1-1.5'	E308241-01A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 2-2.5'	E308241-02A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 1-1.5'	E308241-03A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 2-2.5'	E308241-04A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-3 1-1.5'	E308241-05A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-3 2-2.5'	E308241-06A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 1-1.5'	E308241-07A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 2-2.5'	E308241-08A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 1-1.5'	E308241-09A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 2-2.5'	E308241-10A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-6 1-1.5'	E308241-11A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-6 2-2.5'	E308241-12A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.

### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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**V-1 1-1.5'**  
**E308241-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.1 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-1 2-2.5'

E308241-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.5 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>		107 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-2 1-1.5'

E308241-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-2 2-2.5'

E308241-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.7 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>						
		99.0 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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**V-3 1-1.5'**

**E308241-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.5 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-3 2-2.5'

E308241-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.2 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.6 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/05/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/01/23	09/05/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-4 1-1.5'

E308241-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.9 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-4 2-2.5'

E308241-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>						
		97.8 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-5 1-1.5'

E308241-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.4 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-5 2-2.5'

E308241-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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**V-6 1-1.5'**

**E308241-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.3 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>		97.0 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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V-6 2-2.5'

E308241-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Benzene	ND	0.0250	1	09/01/23	09/02/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/02/23	
Toluene	ND	0.0250	1	09/01/23	09/02/23	
o-Xylene	ND	0.0250	1	09/01/23	09/02/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/02/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.1 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335103
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	09/01/23	09/02/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/06/23	
<i>Surrogate: n-Nonane</i>						
		94.3 %	50-200	09/01/23	09/06/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335107
Chloride	ND	20.0	1	09/07/23	09/08/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335103-BLK1)**

Prepared: 09/01/23 Analyzed: 09/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

**LCS (2335103-BS1)**

Prepared: 09/01/23 Analyzed: 09/02/23

Benzene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
Toluene	5.04	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

**Matrix Spike (2335103-MS1)**

Source: E308240-23

Prepared: 09/01/23 Analyzed: 09/02/23

Benzene	4.86	0.0250	5.00	ND	97.2	54-133			
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133			
Toluene	4.88	0.0250	5.00	ND	97.7	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131			
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

**Matrix Spike Dup (2335103-MSD1)**

Source: E308240-23

Prepared: 09/01/23 Analyzed: 09/02/23

Benzene	5.09	0.0250	5.00	ND	102	54-133	4.61	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	5.13	20	
Toluene	5.13	0.0250	5.00	ND	103	61-130	4.95	20	
o-Xylene	5.08	0.0250	5.00	ND	102	63-131	4.91	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	4.89	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	4.89	20	
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335103-BLK1)**

Prepared: 09/01/23 Analyzed: 09/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

**LCS (2335103-BS2)**

Prepared: 09/01/23 Analyzed: 09/02/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

**Matrix Spike (2335103-MS2)**

Source: E308240-23

Prepared: 09/01/23 Analyzed: 09/02/23

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	95.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

**Matrix Spike Dup (2335103-MSD2)**

Source: E308240-23

Prepared: 09/01/23 Analyzed: 09/02/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	4.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335114-BLK1)**

Prepared: 09/01/23 Analyzed: 09/05/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			

**LCS (2335114-BS1)**

Prepared: 09/01/23 Analyzed: 09/05/23

Diesel Range Organics (C10-C28)	256	25.0	250		103	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			

**Matrix Spike (2335114-MS1)**

Source: E308241-12

Prepared: 09/01/23 Analyzed: 09/05/23

Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	48.8		50.0		97.5	50-200			

**Matrix Spike Dup (2335114-MSD1)**

Source: E308241-12

Prepared: 09/01/23 Analyzed: 09/05/23

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132	3.60	20	
Surrogate: n-Nonane	45.9		50.0		91.8	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 12:20:39PM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335107-BLK1)**

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	ND	20.0							
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**LCS (2335107-BS1)**

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	246	20.0	250		98.3	90-110			
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**Matrix Spike (2335107-MS1)**

Source: E308240-21

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	2850	20.0	250	2530	126	80-120			M4
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**Matrix Spike Dup (2335107-MSD1)**

Source: E308240-21

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	2950	20.0	250	2530	168	80-120	3.68	20	M4
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L2 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 12:20
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M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.







### Envirotech Analytical Laboratory

Printed: 9/1/2023 10:57:46AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	09/01/23 05:45	Work Order ID:	E308241
Phone:	(281) 872-9300	Date Logged In:	08/31/23 14:50	Logged In By:	Caitlin Mars
Email:	esessums@ntglobal.com	Due Date:	09/08/23 17:00 (4 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

Time sampled not provided on COC per client. SRC email not sent per client request.

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### NTG-New Tech Global Environmental

Project Name: North Thistle 2 State #002H L4

Work Order: E308242

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/8/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/8/23



Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: North Thistle 2 State #002H L4  
Workorder: E308242  
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: North Thistle 2 State #002H L4.

The analytical test results summarized in this report with the Project Name: North Thistle 2 State #002H L4 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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### Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 10:47
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 1-1.5'	E308242-01A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 2-2.5'	E308242-02A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-1 3-3.5'	E308242-03A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 1-1.5'	E308242-04A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 2-2.5'	E308242-05A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-2 3-3.5'	E308242-06A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-3 1-1.5'	E308242-07A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-3 2-2.5'	E308242-08A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-3 3-3.5'	E308242-09A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 1-1.5'	E308242-10A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 2-2.5'	E308242-11A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-4 3-3.5'	E308242-12A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 1-1.5'	E308242-13A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 2-2.5'	E308242-14A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.
V-5 3-3.5'	E308242-15A	Soil	08/29/23	09/01/23	Glass Jar, 2 oz.



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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**V-1 1-1.5'**  
**E308242-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23
Toluene	ND	0.0250	1	09/01/23	09/05/23
o-Xylene	ND	0.0250	1	09/01/23	09/05/23
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23

<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		09/01/23	09/05/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.2 %	70-130		09/01/23	09/05/23
<i>Surrogate: Toluene-d8</i>	100 %	70-130		09/01/23	09/05/23

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23
<i>Surrogate: Bromofluorobenzene</i>	105 %	70-130		09/01/23	09/05/23
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.2 %	70-130		09/01/23	09/05/23
<i>Surrogate: Toluene-d8</i>	100 %	70-130		09/01/23	09/05/23

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23
<i>Surrogate: n-Nonane</i>	90.7 %	50-200		09/01/23	09/02/23

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/07/23



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-1 2-2.5'

E308242-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		98.8 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		87.2 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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**V-1 3-3.5'**

**E308242-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		92.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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**V-2 1-1.5'**

**E308242-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		90.9 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/07/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-2 2-2.5'

E308242-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		91.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-2 3-3.5'

E308242-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		88.6 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-3 1-1.5'

E308242-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.9 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		89.0 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-3 2-2.5'

E308242-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		91.2 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-3 3-3.5'

E308242-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		89.8 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-4 1-1.5'

E308242-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		110 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		85.1 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-4 2-2.5'

E308242-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.2 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		89.5 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-4 3-3.5'

E308242-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.5 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		95.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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**V-5 1-1.5'**

**E308242-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		88.6 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-5 2-2.5'

E308242-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		105 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		101 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		88.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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V-5 3-3.5'

E308242-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2335104
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/01/23	09/05/23	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/01/23	09/05/23	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2335115
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
<i>Surrogate: n-Nonane</i>		91.1 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2335108
Chloride	ND	20.0	1	09/01/23	09/08/23	



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/8/2023 10:47:41AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2335104-BLK1)

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.515		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0		70-130		
Surrogate: Toluene-d8	0.510		0.500		102		70-130		

#### LCS (2335104-BS1)

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.68	0.0250	2.50		107		70-130		
Ethylbenzene	2.74	0.0250	2.50		110		70-130		
Toluene	2.69	0.0250	2.50		107		70-130		
o-Xylene	2.97	0.0250	2.50		119		70-130		
p,m-Xylene	5.81	0.0500	5.00		116		70-130		
Total Xylenes	8.78	0.0250	7.50		117		70-130		
Surrogate: Bromofluorobenzene	0.545		0.500		109		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8		70-130		
Surrogate: Toluene-d8	0.516		0.500		103		70-130		

#### Matrix Spike (2335104-MS1)

Source: E308242-05

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.54	0.0250	2.50	ND	102		48-131		
Ethylbenzene	2.58	0.0250	2.50	ND	103		45-135		
Toluene	2.51	0.0250	2.50	ND	100		48-130		
o-Xylene	2.59	0.0250	2.50	ND	104		43-135		
p,m-Xylene	5.08	0.0500	5.00	ND	102		43-135		
Total Xylenes	7.67	0.0250	7.50	ND	102		43-135		
Surrogate: Bromofluorobenzene	0.525		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9		70-130		
Surrogate: Toluene-d8	0.506		0.500		101		70-130		

#### Matrix Spike Dup (2335104-MSD1)

Source: E308242-05

Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.67	0.0250	2.50	ND	107		48-131	4.81	23
Ethylbenzene	2.68	0.0250	2.50	ND	107		45-135	4.03	27
Toluene	2.61	0.0250	2.50	ND	105		48-130	4.16	24
o-Xylene	2.77	0.0250	2.50	ND	111		43-135	6.46	27
p,m-Xylene	5.41	0.0500	5.00	ND	108		43-135	6.36	27
Total Xylenes	8.18	0.0250	7.50	ND	109		43-135	6.39	27
Surrogate: Bromofluorobenzene	0.527		0.500		105		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1		70-130		
Surrogate: Toluene-d8	0.502		0.500		100		70-130		



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335104-BLK1)**

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

**LCS (2335104-BS2)**

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.530		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

**Matrix Spike (2335104-MS2)**

Source: E308242-05

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	60.4	20.0	50.0	ND	121	70-130			
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

**Matrix Spike Dup (2335104-MSD2)**

Source: E308242-05

Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	59.2	20.0	50.0	ND	118	70-130	2.00	20	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335115-BLK1)**

Prepared: 09/01/23 Analyzed: 09/02/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.0		50.0		87.9	50-200			

**LCS (2335115-BS1)**

Prepared: 09/01/23 Analyzed: 09/02/23

Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: n-Nonane	43.4		50.0		86.8	50-200			

**Matrix Spike (2335115-MS1)**

Source: E308242-02

Prepared: 09/01/23 Analyzed: 09/02/23

Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

**Matrix Spike Dup (2335115-MSD1)**

Source: E308242-02

Prepared: 09/01/23 Analyzed: 09/02/23

Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	2.35	20	
Surrogate: n-Nonane	41.4		50.0		82.8	50-200			



### QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/8/2023 10:47:41AM
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#### Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2335108-BLK1)**

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	ND	20.0							
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**LCS (2335108-BS1)**

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	254	20.0	250		101	90-110			
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**Matrix Spike (2335108-MS1)**

Source: E308242-01

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	249	20.0	250	ND	99.8	80-120			
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**Matrix Spike Dup (2335108-MSD1)**

Source: E308242-01

Prepared: 09/01/23 Analyzed: 09/07/23

Chloride	249	20.0	250	ND	99.5	80-120	0.253	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: North Thistle 2 State #002H L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 09/08/23 10:47
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



### Chain of Custody



Work Order No: E308242  
 Job # 01058-0007

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

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

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes							
Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code											None: NO DI Water: H <sub>2</sub> O						
Project Location:		Due Date:		Parameters											Cool: Cool MeOH: Me						
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC HNO <sub>3</sub> : HN						
PO #:															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na						
SAMPLE RECEIPT		Temp Blank: Yes No			Wet Ice: Yes No												H <sub>3</sub> PO <sub>4</sub> : HP				
Received Intact:		Yes No			Thermometer ID:												NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:		Yes No N/A		Correction Factor:												Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:		Yes No N/A		Temperature Reading: 4												Zn Acetate+NaOH: Zn					
Total Containers:		15		Corrected Temperature:												NaOH+Ascorbic Acid: SAPC					
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											Sample Comments
V-1	1-1.5'	8/29/2023		X		Grab	1	X	X	X											1
V-1	2-2.5'	8/29/2023		X		Grab	1	X	X	X											2
V-1	3-3.5'	8/29/2023		X		Grab	1	X	X	X											3
V-2	1-1.5'	8/29/2023		X		Grab	1	X	X	X											4
V-2	2-2.5'	8/29/2023		X		Grab	1	X	X	X											5
V-2	3-3.5'	8/29/2023		X		Grab	1	X	X	X											6
V-3	1-1.5'	8/29/2023		X		Grab	1	X	X	X											7
V-3	2-2.5'	8/29/2023		X		Grab	1	X	X	X											8
V-3	3-3.5'	8/29/2023		X		Grab	1	X	X	X											9
V-4	1-1.5'	8/29/2023		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
<i>[Signature]</i>	<i>Michelle Camp</i>	8/29/23 11:15	<i>Michelle Camp</i>	<i>Andrew Misse</i>	8/31/23 2:00
<i>Andrew Misse</i>	<i>Cathy Man</i>	9/1/23 5:45			

# Chain of Custody



Work Order No: E308242  
Job # 01058-0007

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

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

Project Name:		North Thisle 2 State #002H L4		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	237627	Due Date:																None: NO	DI Water: H <sub>2</sub> O				
Project Location:	Lea Co, NM		TAT starts the day received by the lab, if received by 4:30pm		Wet Ice:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	Cool: Cool		MeOH: Me		HCL: HC		HNO <sub>3</sub> : HN		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
Sampler's Name:	Grant Gardner, Joey Pinson		Yes		No	Thermometer ID:						H <sub>3</sub> PO <sub>4</sub> : HP		NaHSO <sub>4</sub> : NABIS		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		Zn Acetate+NaOH: Zn		NaOH+Ascorbic Acid: SAPC			
PO #:	21198816		Yes		No	Correction Factor:						Zn		NaOH+Ascorbic Acid: SAPC		Sample Comments							
SAMPLE RECEIPT		Temp Blank:	Yes	No	Temperature Reading:	4																	
Received Intact:	Yes	No	Corrected Temperature:																				
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont																
V-4	2-2.5'	8/29/2023		X		Grab	1	X	X	X													11
V-4	3-3.5'	8/29/2023		X		Grab	1	X	X	X													12
V-5	1-1.5'	8/29/2023		X		Grab	1	X	X	X													13
V-5	2-2.5'	8/29/2023		X		Grab	1	X	X	X													14
V-5	3-3.5'	8/29/2023		X		Grab	1	X	X	X													15
<del>V-6</del>	<del>1-1.5'</del>	<del>8/29/2023</del>		<del>X</del>		<del>Grab</del>	<del>1</del>	<del>X</del>	<del>X</del>	<del>X</del>													
<del>V-6</del>	<del>2-2.5'</del>	<del>8/29/2023</del>		<del>X</del>		<del>Grab</del>	<del>1</del>	<del>X</del>	<del>X</del>	<del>X</del>													
<del>V-6</del>	<del>3-3.5'</del>	<del>8/29/2023</del>		<del>X</del>		<del>Grab</del>	<del>1</del>	<del>X</del>	<del>X</del>	<del>X</del>													

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
<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 11:15	<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 2:00
<i>[Signature]</i>	<i>[Signature]</i>	9/1/23 5:45			

Envirotech Analytical Laboratory

Printed: 9/1/2023 11:01:55AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: NTG-New Tech Global Environmental	Date Received: 09/01/23 05:45	Work Order ID: E308242
Phone: (281) 872-9300	Date Logged In: 08/31/23 14:53	Logged In By: Caitlin Mars
Email: csessums@ntglobal.com	Due Date: 09/08/23 17:00 (4 day TAT)	

**Chain of Custody (COC)**

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

**Comments/Resolution**

Time sampled not provided on COC per client. SRC email not sent per client request.

**Sample Turn Around Time (TAT)**

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

**Sample Preservation**

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

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September 13, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L5

Enclosed are the results of analyses for samples received by the laboratory on 09/08/23 13:10.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, prominent "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 1 (1') (H234879-01)**

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	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 1 (2') (H234879-02)**

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	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	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	320	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 1 (3') (H234879-03)**

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	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	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	112	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 1 (4') (H234879-04)**

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	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 1 (5') (H234879-05)**

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	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 2 (1') (H234879-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 2 (2') (H234879-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 2 (3') (H234879-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	195	97.3	200	5.54	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	187	93.4	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 2 (4') (H234879-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 2 (5') (H234879-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.75	87.7	2.00	7.51	
Toluene*	<0.050	0.050	09/11/2023	ND	1.81	90.4	2.00	6.80	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	1.79	89.7	2.00	6.91	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	5.46	91.0	6.00	6.42	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 3 (1') (H234879-11)**

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	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	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	160	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 3 (2') (H234879-12)**

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	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 3 (3') (H234879-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 3 (4') (H234879-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 3 (5') (H234879-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	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	320	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 4 (1') (H234879-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 4 (2') (H234879-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 4 (3') (H234879-18)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 4 (4') (H234879-19)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 4 (5') (H234879-20)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 5 (1') (H234879-21)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 5 (2') (H234879-22)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	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	96.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 5 (3') (H234879-23)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 5 (4') (H234879-24)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 5 (5') (H234879-25)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 6 (1') (H234879-26)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 6 (2') (H234879-27)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 6 (3') (H234879-28)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	216	108	200	2.81	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	210	105	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 6 (4') (H234879-29)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 6 (5') (H234879-30)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.92	96.0	2.00	5.37	
Toluene*	<0.050	0.050	09/11/2023	ND	1.91	95.7	2.00	4.15	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.02	101	2.00	4.66	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	6.04	101	6.00	4.73	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 7 (1') (H234879-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.86	93.1	2.00	3.13	
Toluene*	<0.050	0.050	09/11/2023	ND	2.32	116	2.00	0.548	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.40	120	2.00	0.637	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	7.15	119	6.00	0.700	
Total BTEX	<0.300	0.300	09/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 7 (2') (H234879-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.86	93.1	2.00	3.13	
Toluene*	<0.050	0.050	09/11/2023	ND	2.32	116	2.00	0.548	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.40	120	2.00	0.637	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	7.15	119	6.00	0.700	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 7 (3') (H234879-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.86	93.1	2.00	3.13	
Toluene*	<0.050	0.050	09/11/2023	ND	2.32	116	2.00	0.548	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.40	120	2.00	0.637	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	7.15	119	6.00	0.700	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 7 (4') (H234879-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.86	93.1	2.00	3.13	
Toluene*	<0.050	0.050	09/11/2023	ND	2.32	116	2.00	0.548	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.40	120	2.00	0.637	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	7.15	119	6.00	0.700	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received:	09/08/2023	Sampling Date:	09/07/2023
Reported:	09/13/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: TP - 7 (5') (H234879-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	ND	1.86	93.1	2.00	3.13	
Toluene*	<0.050	0.050	09/11/2023	ND	2.32	116	2.00	0.548	
Ethylbenzene*	<0.050	0.050	09/11/2023	ND	2.40	120	2.00	0.637	
Total Xylenes*	<0.150	0.150	09/11/2023	ND	7.15	119	6.00	0.700	
Total BTEX	<0.300	0.300	09/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/12/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/11/2023	ND	204	102	200	18.4	
DRO >C10-C28*	<10.0	10.0	09/11/2023	ND	200	100	200	19.7	
EXT DRO >C28-C36	<10.0	10.0	09/11/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QR-04 The RPD for the BS/BSD was outside of historical limits.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 11034879

Page 1 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Atresia, NM 88210
Phone:	254-266-5456	Email:	Wesley Mathews@dvn.com

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

Project Name:	Project Number:	Project Location:	Turn Around	Pres. Code	ANALYSIS REQUEST			Preservative Codes
					BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
North Thistle 2 State #002H L5	237627	Lea Co, NM	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush					
Sampler's Name:	Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm					
PO #:	21198816							
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:						
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-0.2					
Total Containers:	35		Corrected Temperature:					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
TP-1 (1')	9/7/2023		X		Grab	1	X	
TP-1 (2')	9/7/2023		X		Grab	1	X	
TP-1 (3')	9/7/2023		X		Grab	1	X	
TP-1 (4')	9/7/2023		X		Grab	1	X	
TP-1 (5')	9/7/2023		X		Grab	1	X	
TP-2 (1')	9/7/2023		X		Grab	1	X	
TP-2 (2')	9/7/2023		X		Grab	1	X	
TP-2 (3')	9/7/2023		X		Grab	1	X	
TP-2 (4')	9/7/2023		X		Grab	1	X	
TP-2 (5')	9/7/2023		X		Grab	1	X	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9:23 1310			



Chain of Custody

Work Order No: 1934879

Page 2 of 4

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dev.com

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

Project Name:	North Thistle 2 State #002H L5	Turn Around		Pres. Code	ANALYSIS REQUEST						Preservative Codes	
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush									
Project Number:	237627	Due Date:										
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm										
Sampler's Name:	Kellian Smith	Wet Ice:		<input checked="" type="checkbox"/> Yes								
PO #:	21198816	Thermometer ID:		<input type="checkbox"/> No								
SAMPLE RECEIPT	Temp Blank:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Correction Factor:								
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:										
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:										
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:		35								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters				Sample Comments	
TP-3 (1')	9/7/2023		X		Grab	1	X	X	X	X		11
TP-3 (2')	9/7/2023		X		Grab	1	X	X	X	X		12
TP-3 (3')	9/7/2023		X		Grab	1	X	X	X	X		13
TP-3 (4')	9/7/2023		X		Grab	1	X	X	X	X		14
TP-3 (5')	9/7/2023		X		Grab	1	X	X	X	X		15
TP-4 (1')	9/7/2023		X		Grab	1	X	X	X	X		16
TP-4 (2')	9/7/2023		X		Grab	1	X	X	X	X		17
TP-4 (3')	9/7/2023		X		Grab	1	X	X	X	X		18
TP-4 (4')	9/7/2023		X		Grab	1	X	X	X	X		19
TP-4 (5')	9/7/2023		X		Grab	1	X	X	X	X		20

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1.		9/8/23 1310			
3					
5					



Chain of Custody

Work Order No: HA34879

Page 3 of 4

Page 40 of 41

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 West McKay Street Carlsbad NM, 88220	Address:	6488 Seven Rivers Highway Aresia, NM 88210
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Aresia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dev.com

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

Project Name:	North Thistle 2 State #002H L5	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes
		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
Project Number:	237627	Due Date:						
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm						
Sampler's Name:	Kellan Smith	Temp Blank:						
PO #:	21198816	Yes/No	Thermometer ID:					
Received In tact:	Yes/No	Yes/No	Correction Factor:					
Cooler Custody Seals:	Yes/No	Yes/No	Temperature Reading:					
Sample Custody Seals:	Yes/No	Yes/No	Corrected Temperature:					
Total Containers:	35							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments	
TP-5 (1')	9/7/2023		X		Grab	1	21	
TP-5 (2')	9/7/2023		X		Grab	1	22	
TP-5 (3')	9/7/2023		X		Grab	1	23	
TP-5 (4')	9/7/2023		X		Grab	1	24	
TP-5 (5')	9/7/2023		X		Grab	1	25	
TP-6 (1')	9/7/2023		X		Grab	1	26	
TP-6 (2')	9/7/2023		X		Grab	1	27	
TP-6 (3')	9/7/2023		X		Grab	1	28	
TP-6 (4')	9/7/2023		X		Grab	1	29	
TP-6 (5')	9/7/2023		X		Grab	1	30	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	9/8/23 1310			





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

October 26, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L3

Enclosed are the results of analyses for samples received by the laboratory on 10/24/23 15:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 1 7' (H235835-01)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 2 7' (H235835-02)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	10/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 68.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 3 7' (H235835-03)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	608	16.0	10/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 4 7' (H235835-04)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	10/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 5 7' (H235835-05)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	10/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 6 7' (H235835-06)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	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	
<b>Chloride</b>	<b>864</b>	16.0	10/26/2023	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 7 7' (H235835-07)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	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	688	16.0	10/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 8 7' (H235835-08)**

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	10/25/2023	ND	2.06	103	2.00	0.608		
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	10/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 1 0-7' (H235835-09)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 2 0-7' (H235835-10)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 3 0-7' (H235835-11)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 4 0-7' (H235835-12)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.8 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 5 0-7' (H235835-13)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 49.1-148

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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L3	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 6 0-7' (H235835-14)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	10/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	163	81.3	200	0.752	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	162	80.8	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.0 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: HA235835

Page 1 of     

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W Mckay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	essesums@ntglobel.com

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

Project Name:	North Thistle 2 State #002H (L3)	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		Due Date:	48hrs														
Project Number:	237627																None: NO			
Project Location:	Lea Co. NM																DI Water: H <sub>2</sub> O			
Sampler's Name:	Dmitry Nikanorov																Cool: Cool			
PO #:	21198816																HCL: HC			
<b>SAMPLE RECEIPT</b>																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>			
Received In tact:	Yes	Temp Blank:	No	Yes	Wet Ice:	No													H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:	Yes	N/A	N/A	Yes	Thermometer ID:	140													NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	Yes	No	N/A	Yes	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Total Containers:		Corrected Temperature:		Yes	Temperature Reading:	34													Zn Acetate+NaOH: Zn	
				No															NaOH+Ascorbic Acid: SAPC	
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grav/Comp	# of Cont	Parameters												Sample Comments
CS1	7'	10/24/2023		X		Comp	1	BTEX 8021B												
CS2	7'	10/24/2023		X		Comp	1	TPH 8015M ( GRO + DRO + MRO)												
CS3	7'	10/24/2023		X		Comp	1	Chloride 4500												
CS4	7'	10/24/2023		X		Comp	1													
CS5	7'	10/24/2023		X		Comp	1													
CS6	7'	10/24/2023		X		Comp	1													
CS7	7'	10/24/2023		X		Comp	1													
CS8	7'	10/24/2023		X		Comp	1													
SW1	0-7'	10/24/2023		X		Comp	1													
SW2	0-7'	10/24/2023		X		Comp	1													

Additional Comments:

Note: 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
<i>[Signature]</i>	<i>[Signature]</i>	10/24/23 1515 <sup>2</sup>			

Revised Date 05/01/2020 Rev. 2020.1



Chain of Custody

Work Order No: 1935835

Page 1 of     

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

Project Name:	North Thistle 2 State #002H (L3)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48hrs
Project Number:	237627	Parameters			
Project Location:	Lea Co, NM	BTEX 8021B			
Sampler's Name:	Dmitry Nikanorov	TPH 8015M ( GRO + DRO + MRO)			
PO #:	21198816	Chloride 4500			

Received Infract:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SW3	0-7'	10/24/2023		X		Comp	1	X		None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
SW4	0-7'	10/24/2023		X		Comp	1	X			
SW5	0-7'	10/24/2023		X		Comp	1	X			
SW6	0-7'	10/24/2023		X		Comp	1	X			

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	02/23/23			15:52



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

October 26, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L5

Enclosed are the results of analyses for samples received by the laboratory on 10/24/23 15:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 1 1' (H235834-01)**

BTEX 8021B		mg/kg		Analyzed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.09	105	2.00	7.22	
Toluene*	<0.050	0.050	10/25/2023	ND	2.16	108	2.00	7.57	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.17	109	2.00	9.06	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.57	110	6.00	9.58	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 2 1' (H235834-02)**

BTEX 8021B		mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.09	105	2.00	7.22		
Toluene*	<0.050	0.050	10/25/2023	ND	2.16	108	2.00	7.57		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.17	109	2.00	9.06		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.57	110	6.00	9.58		
Total BTEX	<0.300	0.300	10/25/2023	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	624	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 3 1' (H235834-03)**

BTEX 8021B		mg/kg		Analyzed By: AW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.09	105	2.00	7.22		
Toluene*	<0.050	0.050	10/25/2023	ND	2.16	108	2.00	7.57		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.17	109	2.00	9.06		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.57	110	6.00	9.58		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 4 1' (H235834-04)**

BTEX 8021B		mg/kg		Analyzed By: AW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.09	105	2.00	7.22	
Toluene*	<0.050	0.050	10/25/2023	ND	2.16	108	2.00	7.57	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.17	109	2.00	9.06	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.57	110	6.00	9.58	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	10/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 5 1' (H235834-05)**

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	10/26/2023	ND	2.01	100	2.00	1.76		
Toluene*	<0.050	0.050	10/26/2023	ND	1.84	92.1	2.00	0.352		
Ethylbenzene*	<0.050	0.050	10/26/2023	ND	1.89	94.7	2.00	0.135		
Total Xylenes*	<0.150	0.150	10/26/2023	ND	5.65	94.2	6.00	0.268		
Total BTEX	<0.300	0.300	10/26/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 6 1' (H235834-06)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 7 1' (H235834-07)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 8 1' (H235834-08)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	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	928	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 9 1' (H235834-09)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	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	208	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 10 1' (H235834-10)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	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	64.0	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	1.51		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	147	73.3	200	14.3		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 11 1' (H235834-11)**

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	10/25/2023	ND	2.08	104	2.00	3.49	
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45	
Total BTEX	<0.300	0.300	10/25/2023	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	10/26/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 12 1' (H235834-12)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 13 1' (H235834-13)**

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	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>1260</b>	16.0	10/26/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 52.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 14 1' (H235834-14)**

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	10/25/2023	ND	2.08	104	2.00	3.49	
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 15 1' (H235834-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 16 1' (H235834-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	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	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 17 1' (H235834-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	176	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 18 1' (H235834-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49	
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	4.14	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	174	87.0	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 19 1' (H235834-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	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	1280	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	170	85.0	200	0.183		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	185	92.3	200	0.263		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 20 1' (H235834-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 21 1' (H235834-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 22 1' (H235834-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 23 1' (H235834-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 24 1' (H235834-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49	
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09	
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 25 1' (H235834-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.49		
Toluene*	<0.050	0.050	10/25/2023	ND	2.08	104	2.00	3.65		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.07	104	2.00	3.74		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.26	104	6.00	3.45		
Total BTEX	<0.300	0.300	10/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 26 1' (H235834-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 27 1' (H235834-27)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 28 1' (H235834-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	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	608	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 29 1' (H235834-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/26/2023	ND	181	90.6	200	3.09		
DRO >C10-C28*	<10.0	10.0	10/26/2023	ND	204	102	200	2.73		
EXT DRO >C28-C36	<10.0	10.0	10/26/2023	ND						

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 30 1' (H235834-30)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 31 2' (H235834-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 32 2' (H235834-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>160</b>	16.0	10/25/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 33 5' (H235834-33)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/25/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 34 5' (H235834-34)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/26/2023	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS 35 5' (H235834-35)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61		
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1		
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5		
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6		
Total BTEX	<0.300	0.300	10/25/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/26/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00		
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59		
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND						

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 1 0-1' (H235834-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 2 0-2' (H235834-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 3 0-1' (H235834-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>944</b>	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 4 0-1' (H235834-39)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 5 0-1' (H235834-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 6 0-1' (H235834-41)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 7 0-1' (H235834-42)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 68.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 8 0-2' (H235834-43)**

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	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 9 0-2' (H235834-44)**

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	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 10 1-5' (H235834-45)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	3.61	
Toluene*	<0.050	0.050	10/25/2023	ND	2.19	109	2.00	12.1	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.42	121	2.00	17.5	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	7.56	126	6.00	21.6	
Total BTEX	<0.300	0.300	10/25/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 11 1-5' (H235834-46)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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
<b>Chloride</b>	<b>144</b>	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 12 1-5' (H235834-47)**

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	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	10/24/2023	Sampling Date:	10/24/2023
Reported:	10/26/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 13 1-5' (H235834-48)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/25/2023	ND	2.06	103	2.00	0.608	
Toluene*	<0.050	0.050	10/25/2023	ND	2.03	102	2.00	7.52	
Ethylbenzene*	<0.050	0.050	10/25/2023	ND	2.09	104	2.00	8.89	
Total Xylenes*	<0.150	0.150	10/25/2023	ND	6.36	106	6.00	10.7	
Total BTEX	<0.300	0.300	10/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	10/26/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2023	ND	170	84.8	200	2.00	
DRO >C10-C28*	<10.0	10.0	10/25/2023	ND	195	97.5	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	10/25/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No:

A335834

Page 1 of 1

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

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

Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	237627	Due Date:	48hrs		
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Dmitry Nikanorov	Wet Ice:	(Yes) No		
PO #:	21198816	Thermometer ID:	140		
Received In tact:	Yes No	Correction Factor:			
Cooler Custody Seals:	Yes No	Temperature Reading:	3.42		
Sample Custody Seals:	Yes No	Corrected Temperature:			
Total Containers:					

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters		
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
CS1	1'	10/24/2023		X		Comp	1	X	X	X
CS2	1'	10/24/2023		X		Comp	1	X	X	X
CS3	1'	10/24/2023		X		Comp	1	X	X	X
CS4	1'	10/24/2023		X		Comp	1	X	X	X
CS5	1'	10/24/2023		X		Comp	1	X	X	X
CS6	1'	10/24/2023		X		Comp	1	X	X	X
CS7	1'	10/24/2023		X		Comp	1	X	X	X
CS8	1'	10/24/2023		X		Comp	1	X	X	X
CS9	1'	10/24/2023		X		Comp	1	X	X	X
CS10	1'	10/24/2023		X		Comp	1	X	X	X

**Additional Comments:**

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10.24.23 1515			



Chain of Custody

Work Order No: H235834

Page 2 of     

Project Manager:	Elhan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St Carlsbad, NM 88220	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com
Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	237627	Due Date:	48hrs
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PO #:	21198816	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>SAMPLE RECEIPT</b>		Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.4
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Total Containers:			

ANALYSIS REQUEST

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

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Preservative Codes	Sample Comments
								BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500		
CS11	1'	10/24/2023		X		Comp	1	X	X	X		
CS12	1'	10/24/2023		X		Comp	1	X	X	X		
CS13	1'	10/24/2023		X		Comp	1	X	X	X		
CS14	1'	10/24/2023		X		Comp	1	X	X	X		
CS15	1'	10/24/2023		X		Comp	1	X	X	X		
CS16	1'	10/24/2023		X		Comp	1	X	X	X		
CS17	1'	10/24/2023		X		Comp	1	X	X	X		
CS18	1'	10/24/2023		X		Comp	1	X	X	X		
CS19	1'	10/24/2023		X		Comp	1	X	X	X		
CS20	1'	10/24/2023		X		Comp	1	X	X	X		

Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	10-24-23 15:15			

Revised Date 05/12/2023 Rev. 2020.1



Chain of Custody

Work Order No: H235834

Page 3 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St Carlsbad, NM 88220	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com
Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	237627	Due Date:	48hrs
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry Nikanorov	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
PO #:	21198816	Thermometer ID:	140
<b>SAMPLE RECEIPT</b>		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Received In tact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	3.42
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	
Total Containers:			

ANALYSIS REQUEST

Sample Identification	Depth (ft bags)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS21	1'	10/24/2023		X		Comp	1	X	X	X	
CS22	1'	10/24/2023		X		Comp	1	X	X	X	
CS23	1'	10/24/2023		X		Comp	1	X	X	X	
CS24	1'	10/24/2023		X		Comp	1	X	X	X	
CS25	1'	10/24/2023		X		Comp	1	X	X	X	
CS26	1'	10/24/2023		X		Comp	1	X	X	X	
CS27	1'	10/24/2023		X		Comp	1	X	X	X	
CS28	1'	10/24/2023		X		Comp	1	X	X	X	
CS29	1'	10/24/2023		X		Comp	1	X	X	X	
CS30	1'	10/24/2023		X		Comp	1	X	X	X	

Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	10/24/23 1515			

Revised Date 05/12/2020 Rev: 2020.1



Chain of Custody

Work Order No: A235834

Page 4 of     

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Catspad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com
Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:	237627	Due Date:	48hrs
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Dmitry NIKANOROV	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
PO #:	21198816	Thermometer ID:	140
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	3.4
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Corrected Temperature:	
Total Containers:			

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

10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023  
10/24/2023

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS31	2'	10/24/2023		X		Comp	1	X	X	X	
CS32	2'	10/24/2023		X		Comp	1	X	X	X	
CS33	5'	10/24/2023		X		Comp	1	X	X	X	
CS34	5'	10/24/2023		X		Comp	1	X	X	X	
CS35	5'	10/24/2023		X		Comp	1	X	X	X	
SW1	0-1'	10/24/2023		X		Comp	1	X	X	X	
SW2	0-2'	10/24/2023		X		Comp	1	X	X	X	
SW3	0-1'	10/24/2023		X		Comp	1	X	X	X	
SW4	0-1'	10/24/2023		X		Comp	1	X	X	X	
SW5	0-1'	10/24/2023		X		Comp	1	X	X	X	

Additional Comments:

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		10/24/23 1519			



Chain of Custody

Work Order No: H235834

Page 5 of 5

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

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

Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	237627	Due Date:	48hrs		
Project Location:	Lea Co, NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Dmitry Nikanorov	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
PO #:	21198816	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Received In tact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	140	Parameters		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:			BTEX 8021B	
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	34.2		TPH 8015M ( GRO + DRO + MRO )	
Total Containers:		Corrected Temperature:			Chloride 4500	

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST	Preservative Codes	Sample Comments
SW-6	0-1'	10/24/2023		X		Comp	1	X X X	None: NO DI Water: H <sub>2</sub> O	
SW-7	0-1'	10/24/2023		X		Comp	1	X X X	Cod: Cod MeOH: Me	
SW-8	0-2'	10/24/2023		X		Comp	1	X X X	HCL: HC HNO <sub>3</sub> : HN	
SW-9	0-2'	10/24/2023		X		Comp	1	X X X	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
SW-10	1-5'	10/24/2023		X		Comp	1	X X X	H <sub>3</sub> PO <sub>4</sub> : HP	
SW-11	1-5'	10/24/2023		X		Comp	1	X X X	NaHSO <sub>4</sub> : NABIS	
SW-12	1-5'	10/24/2023		X		Comp	1	X X X	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>	
SW-13	1-5'	10/24/2023		X		Comp	1	X X X	Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10/24/23 15:15			



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ethan Sessums  
NT Global

701 Tradewinds Blvd  
Midland, Texas 79706

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## JOB DESCRIPTION

North Thistle 2 State #002H-L3  
SDG NUMBER Eddy Co, NM

## JOB NUMBER

890-5566-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220



# 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



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Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Laboratory Job ID: 890-5566-1  
SDG: Eddy Co, NM

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## Definitions/Glossary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
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.
α	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/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

**Job ID: 890-5566-1****Laboratory: Eurofins Carlsbad****Narrative****Job Narrative  
890-5566-1**

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 11/3/2023 1:50 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 2.0°C

**Receipt Exceptions**

The following samples were received and analyzed from an unpreserved bulk soil jar: SW -1 (890-5566-1), CS -1 (890-5566-2), CS -2 (890-5566-3), CS -3 (890-5566-4), CS -4 (890-5566-5), CS -5 (890-5566-6), CS -6 (890-5566-7), CS -7 (890-5566-8) and CS -8 (890-5566-9).

**GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-66262 and 880-66319 and analytical batch 880-66231 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS -2 (890-5566-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 880-66312 and analytical batch 880-66221 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: SW -1 (890-5566-1), CS -1 (890-5566-2), CS -2 (890-5566-3) and (890-5565-A-53-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-66221/58). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-66313 and analytical batch 880-66344 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: CS -8 (890-5566-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-66344/20) and (CCV 880-66344/5). Evidence of matrix interferences is not obvious.

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/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

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**Job ID: 890-5566-1 (Continued)**

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**Laboratory: Eurofins Carlsbad (Continued)**

**HPLC/IC**

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-66250 and analytical batch 880-66327 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.

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### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: SW -1**

**Lab Sample ID: 890-5566-1**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 0 -8'

**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		11/06/23 17:07	11/08/23 00:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 00:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 00:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 00:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 00:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 00:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	11/06/23 17:07	11/08/23 00:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/06/23 17:07	11/08/23 00:08	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			11/08/23 00:08	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			11/07/23 05:09	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	<49.6	U	49.6		mg/Kg		11/06/23 16:19	11/07/23 05:09	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/06/23 16:19	11/07/23 05:09	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/06/23 16:19	11/07/23 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	11/06/23 16:19	11/07/23 05:09	1
o-Terphenyl	141	S1+	70 - 130	11/06/23 16:19	11/07/23 05:09	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.5		5.01		mg/Kg			11/07/23 00:44	1

**Client Sample ID: CS -1**

**Lab Sample ID: 890-5566-2**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 17:07	11/08/23 00:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/06/23 17:07	11/08/23 00:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/06/23 17:07	11/08/23 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	11/06/23 17:07	11/08/23 00:29	1

Eurofins Carlsbad

### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -1**

**Lab Sample ID: 890-5566-2**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	114		70 - 130	11/06/23 17:07	11/08/23 00:29	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/08/23 00:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/07/23 05:30	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	<50.1	U	50.1		mg/Kg		11/06/23 16:19	11/07/23 05:30	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/06/23 16:19	11/07/23 05:30	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/06/23 16:19	11/07/23 05:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	134	S1+	70 - 130	11/06/23 16:19	11/07/23 05:30	1
o-Terphenyl	133	S1+	70 - 130	11/06/23 16:19	11/07/23 05:30	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44.3		5.04		mg/Kg			11/07/23 00:51	1

**Client Sample ID: CS -2**

**Lab Sample ID: 890-5566-3**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 17:07	11/08/23 00:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:49	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/06/23 17:07	11/08/23 00:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 00:49	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/06/23 17:07	11/08/23 00:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	11/06/23 17:07	11/08/23 00:49	1
1,4-Difluorobenzene (Surr)	148	S1+	70 - 130	11/06/23 17:07	11/08/23 00:49	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/08/23 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	70.0		50.4		mg/Kg			11/07/23 05:52	1

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### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -2**

**Lab Sample ID: 890-5566-3**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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	<50.4	U	50.4		mg/Kg		11/06/23 16:19	11/07/23 05:52	1
<b>Diesel Range Organics (Over C10-C28)</b>	<b>70.0</b>		50.4		mg/Kg		11/06/23 16:19	11/07/23 05:52	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/06/23 16:19	11/07/23 05:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				11/06/23 16:19	11/07/23 05:52	1
o-Terphenyl	137	S1+	70 - 130				11/06/23 16:19	11/07/23 05:52	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.0		5.02		mg/Kg			11/07/23 00:57	1

**Client Sample ID: CS -3**

**Lab Sample ID: 890-5566-4**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/06/23 17:07	11/08/23 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				11/06/23 17:07	11/08/23 01:10	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/06/23 17:07	11/08/23 01:10	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/23 01:10	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			11/07/23 06:13	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		11/06/23 16:19	11/07/23 06:13	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/06/23 16:19	11/07/23 06:13	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/06/23 16:19	11/07/23 06:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	124		70 - 130				11/06/23 16:19	11/07/23 06:13	1
o-Terphenyl	126		70 - 130				11/06/23 16:19	11/07/23 06:13	1

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### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -3**

**Lab Sample ID: 890-5566-4**

Date Collected: 11/02/23 00:00  
 Date Received: 11/03/23 13:50  
 Sample Depth: 8'

Matrix: Solid

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101	F1	5.00		mg/Kg			11/06/23 17:48	1

**Client Sample ID: CS -4**

**Lab Sample ID: 890-5566-5**

Date Collected: 11/02/23 00:00  
 Date Received: 11/03/23 13:50  
 Sample Depth: 8'

Matrix: Solid

**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		11/06/23 17:07	11/08/23 01:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 01:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				11/06/23 17:07	11/08/23 01:30	1
1,4-Difluorobenzene (Surr)	121		70 - 130				11/06/23 17:07	11/08/23 01:30	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			11/08/23 01:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/07/23 06:35	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	<49.9	U	49.9		mg/Kg		11/06/23 16:19	11/07/23 06:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/06/23 16:19	11/07/23 06:35	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/06/23 16:19	11/07/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				11/06/23 16:19	11/07/23 06:35	1
o-Terphenyl	119		70 - 130				11/06/23 16:19	11/07/23 06:35	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.8		5.02		mg/Kg			11/06/23 18:04	1

### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -5**

**Lab Sample ID: 890-5566-6**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 17:07	11/08/23 01:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 01:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/06/23 17:07	11/08/23 01:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/06/23 17:07	11/08/23 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	11/06/23 17:07	11/08/23 01:50	1
1,4-Difluorobenzene (Surr)	121		70 - 130	11/06/23 17:07	11/08/23 01:50	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			11/08/23 01:50	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			11/07/23 06:58	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		11/06/23 16:19	11/07/23 06:58	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/06/23 16:19	11/07/23 06:58	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/06/23 16:19	11/07/23 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130	11/06/23 16:19	11/07/23 06:58	1
o-Terphenyl	125		70 - 130	11/06/23 16:19	11/07/23 06:58	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.2		4.99		mg/Kg			11/06/23 18:09	1

**Client Sample ID: CS -6**

**Lab Sample ID: 890-5566-7**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 17:07	11/08/23 02:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/06/23 17:07	11/08/23 02:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/06/23 17:07	11/08/23 02:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/06/23 17:07	11/08/23 02:11	1

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### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -6**

**Lab Sample ID: 890-5566-7**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	121		70 - 130	11/06/23 17:07	11/08/23 02:11	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/08/23 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/07/23 07:20	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	<50.3	U	50.3		mg/Kg		11/06/23 16:19	11/07/23 07:20	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/06/23 16:19	11/07/23 07:20	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/06/23 16:19	11/07/23 07:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	11/06/23 16:19	11/07/23 07:20	1
o-Terphenyl	125		70 - 130	11/06/23 16:19	11/07/23 07:20	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		5.05		mg/Kg			11/06/23 18:14	1

**Client Sample ID: CS -7**

**Lab Sample ID: 890-5566-8**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 02:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 02:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 02:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/06/23 17:07	11/08/23 02:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/06/23 17:07	11/08/23 02:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/06/23 17:07	11/08/23 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	11/06/23 17:07	11/08/23 02:31	1
1,4-Difluorobenzene (Surr)	119		70 - 130	11/06/23 17:07	11/08/23 02:31	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/08/23 02:31	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			11/07/23 11:59	1

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### Client Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -7**

**Lab Sample ID: 890-5566-8**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 16:26	11/07/23 11:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/06/23 16:26	11/07/23 11:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/06/23 16:26	11/07/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130				11/06/23 16:26	11/07/23 11:59	1
o-Terphenyl	122		70 - 130				11/06/23 16:26	11/07/23 11:59	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.4		5.04		mg/Kg			11/06/23 18:20	1

**Client Sample ID: CS -8**

**Lab Sample ID: 890-5566-9**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**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		11/06/23 17:07	11/08/23 02:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/06/23 17:07	11/08/23 02:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/08/23 02:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/06/23 17:07	11/08/23 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				11/06/23 17:07	11/08/23 02:52	1
1,4-Difluorobenzene (Surr)	118		70 - 130				11/06/23 17:07	11/08/23 02:52	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/08/23 02:52	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			11/07/23 13:05	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		11/06/23 16:26	11/07/23 13:05	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/06/23 16:26	11/07/23 13:05	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/06/23 16:26	11/07/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				11/06/23 16:26	11/07/23 13:05	1
o-Terphenyl	124		70 - 130				11/06/23 16:26	11/07/23 13:05	1

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### Client Sample Results

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

**Client Sample ID: CS -8**

**Lab Sample ID: 890-5566-9**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Sample Depth: 8'

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.1		5.03		mg/Kg			11/06/23 18:35	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Surrogate Summary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-5566-1	SW -1	75	110
890-5566-1 MS	SW -1	100	107
890-5566-1 MSD	SW -1	94	106
890-5566-2	CS -1	96	114
890-5566-3	CS -2	125	148 S1+
890-5566-4	CS -3	96	117
890-5566-5	CS -4	95	121
890-5566-6	CS -5	97	121
890-5566-7	CS -6	88	121
890-5566-8	CS -7	91	119
890-5566-9	CS -8	91	118
LCS 880-66319/1-A	Lab Control Sample	95	108
LCSD 880-66319/2-A	Lab Control Sample Dup	94	109
MB 880-66262/5-A	Method Blank	116	152 S1+
MB 880-66319/5-A	Method Blank	116	160 S1+

**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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-5565-A-53-F MS	Matrix Spike	129	119
890-5565-A-53-G MSD	Matrix Spike Duplicate	128	117
890-5566-1	SW -1	138 S1+	141 S1+
890-5566-2	CS -1	134 S1+	133 S1+
890-5566-3	CS -2	135 S1+	137 S1+
890-5566-4	CS -3	124	126
890-5566-5	CS -4	115	119
890-5566-6	CS -5	121	125
890-5566-7	CS -6	120	125
890-5566-8	CS -7	127	122
890-5566-8 MS	CS -7	126	109
890-5566-8 MSD	CS -7	127	110
890-5566-9	CS -8	133 S1+	124
LCS 880-66312/2-A	Lab Control Sample	99	109
LCS 880-66313/2-A	Lab Control Sample	105	114
LCSD 880-66312/3-A	Lab Control Sample Dup	89	93
LCSD 880-66313/3-A	Lab Control Sample Dup	90	97
MB 880-66312/1-A	Method Blank	244 S1+	261 S1+
MB 880-66313/1-A	Method Blank	246 S1+	245 S1+

**Surrogate Legend**  
1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

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

Lab Sample ID: MB 880-66262/5-A  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 66262

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/06/23 11:29	11/07/23 12:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/06/23 11:29	11/07/23 12:04	1
1,4-Difluorobenzene (Surr)	152	S1+	70 - 130				11/06/23 11:29	11/07/23 12:04	1

Lab Sample ID: MB 880-66319/5-A  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/06/23 17:07	11/07/23 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/06/23 17:07	11/07/23 23:40	1
1,4-Difluorobenzene (Surr)	160	S1+	70 - 130				11/06/23 17:07	11/07/23 23:40	1

Lab Sample ID: LCS 880-66319/1-A  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.09486		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.08840		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.2102		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		70 - 130				
1,4-Difluorobenzene (Surr)	108		70 - 130				

Lab Sample ID: LCSD 880-66319/2-A  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1032		mg/Kg		103	70 - 130	2	35

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-66319/2-A  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.09356		mg/Kg		94	70 - 130	1	35	
Ethylbenzene	0.100	0.08388		mg/Kg		84	70 - 130	5	35	
m-Xylene & p-Xylene	0.200	0.1941		mg/Kg		97	70 - 130	8	35	
o-Xylene	0.100	0.09487		mg/Kg		95	70 - 130	7	35	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
4-Bromofluorobenzene (Surr)	94		70 - 130							
1,4-Difluorobenzene (Surr)	109		70 - 130							

Lab Sample ID: 890-5566-1 MS  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: SW -1  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.0996	0.09646		mg/Kg		97	70 - 130	1	35	
Toluene	<0.00199	U	0.0996	0.07486		mg/Kg		75	70 - 130	8	35	
Ethylbenzene	<0.00199	U	0.0996	0.07053		mg/Kg		71	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1634		mg/Kg		82	70 - 130	4	35	
o-Xylene	<0.00199	U	0.0996	0.08304		mg/Kg		83	70 - 130	4	35	
		<b>MS</b>	<b>MS</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
4-Bromofluorobenzene (Surr)	100		70 - 130									
1,4-Difluorobenzene (Surr)	107		70 - 130									

Lab Sample ID: 890-5566-1 MSD  
 Matrix: Solid  
 Analysis Batch: 66231

Client Sample ID: SW -1  
 Prep Type: Total/NA  
 Prep Batch: 66319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00199	U	0.0990	0.09714		mg/Kg		98	70 - 130	1	35	
Toluene	<0.00199	U	0.0990	0.08114		mg/Kg		82	70 - 130	8	35	
Ethylbenzene	<0.00199	U	0.0990	0.07147		mg/Kg		72	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1705		mg/Kg		86	70 - 130	4	35	
o-Xylene	<0.00199	U	0.0990	0.08622		mg/Kg		87	70 - 130	4	35	
		<b>MSD</b>	<b>MSD</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
4-Bromofluorobenzene (Surr)	94		70 - 130									
1,4-Difluorobenzene (Surr)	106		70 - 130									

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

Lab Sample ID: MB 880-66312/1-A  
 Matrix: Solid  
 Analysis Batch: 66221

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 66312

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/23 16:19	11/06/23 22:46	1

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

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

**Lab Sample ID: MB 880-66312/1-A**  
**Matrix: Solid**  
**Analysis Batch: 66221**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 66312**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/23 16:19	11/06/23 22:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/23 16:19	11/06/23 22:46	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
1-Chlorooctane	244	S1+	70 - 130	11/06/23 16:19	11/06/23 22:46	1			
o-Terphenyl	261	S1+	70 - 130	11/06/23 16:19	11/06/23 22:46	1			

**Lab Sample ID: LCS 880-66312/2-A**  
**Matrix: Solid**  
**Analysis Batch: 66221**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 66312**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)	1000	897.6		mg/Kg		90	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	99		70 - 130				
o-Terphenyl	109		70 - 130				

**Lab Sample ID: LCSD 880-66312/3-A**  
**Matrix: Solid**  
**Analysis Batch: 66221**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 66312**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	850.0		mg/Kg		85	70 - 130	5	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	89		70 - 130						
o-Terphenyl	93		70 - 130						

**Lab Sample ID: 890-5565-A-53-F MS**  
**Matrix: Solid**  
**Analysis Batch: 66221**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 66312**

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	894.9		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	970.5		mg/Kg		93	70 - 130
Surrogate	MS	MS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	129		70 - 130						
o-Terphenyl	119		70 - 130						

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

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

**Lab Sample ID: 890-5565-A-53-G MSD**  
**Matrix: Solid**  
**Analysis Batch: 66221**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 66312**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	1010	894.5		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.7	U	1010	969.5		mg/Kg		93	70 - 130	0	20
Surrogate	MSD	MSD									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	128		70 - 130								
o-Terphenyl	117		70 - 130								

**Lab Sample ID: MB 880-66313/1-A**  
**Matrix: Solid**  
**Analysis Batch: 66344**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 66313**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/06/23 16:26	11/07/23 09:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/06/23 16:26	11/07/23 09:24	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/06/23 16:26	11/07/23 09:24	1
Surrogate	MB	MB					Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier	Limits						
1-Chlorooctane	246	S1+	70 - 130				11/06/23 16:26	11/07/23 09:24	1
o-Terphenyl	245	S1+	70 - 130				11/06/23 16:26	11/07/23 09:24	1

**Lab Sample ID: LCS 880-66313/2-A**  
**Matrix: Solid**  
**Analysis Batch: 66344**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 66313**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	1009		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	946.0		mg/Kg		95	70 - 130		
Surrogate	LCS	LCS							
	%Recovery	Qualifier	Limits						
1-Chlorooctane	105		70 - 130						
o-Terphenyl	114		70 - 130						

**Lab Sample ID: LCSD 880-66313/3-A**  
**Matrix: Solid**  
**Analysis Batch: 66344**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 66313**

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
Gasoline Range Organics (GRO)-C6-C10	1000	873.7		mg/Kg		87	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	1000	799.8		mg/Kg		80	70 - 130	17	20

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

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

Lab Sample ID: LCSD 880-66313/3-A  
 Matrix: Solid  
 Analysis Batch: 66344

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 66313

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	90		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-5566-8 MS  
 Matrix: Solid  
 Analysis Batch: 66344

Client Sample ID: CS -7  
 Prep Type: Total/NA  
 Prep Batch: 66313

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1233		mg/Kg		121		70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	1128		mg/Kg		111		70 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	126		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-5566-8 MSD  
 Matrix: Solid  
 Analysis Batch: 66344

Client Sample ID: CS -7  
 Prep Type: Total/NA  
 Prep Batch: 66313

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1249		mg/Kg		123		70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	1143		mg/Kg		112		70 - 130	1	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	127		70 - 130
o-Terphenyl	110		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-66250/1-A  
 Matrix: Solid  
 Analysis Batch: 66327

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Chloride	<5.00	U	5.00		mg/Kg			11/06/23 16:59		1

Lab Sample ID: LCS 880-66250/2-A  
 Matrix: Solid  
 Analysis Batch: 66327

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Chloride	250	256.6		mg/Kg		103		90 - 110

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### QC Sample Results

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCSD 880-66250/3-A  
 Matrix: Solid  
 Analysis Batch: 66327

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	259.5		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 890-5566-4 MS  
 Matrix: Solid  
 Analysis Batch: 66327

Client Sample ID: CS -3  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	101	F1	250	313.2	F1	mg/Kg		85	90 - 110

Lab Sample ID: 890-5566-4 MSD  
 Matrix: Solid  
 Analysis Batch: 66327

Client Sample ID: CS -3  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	101	F1	250	312.6	F1	mg/Kg		85	90 - 110	0	20

Lab Sample ID: MB 880-66246/1-A  
 Matrix: Solid  
 Analysis Batch: 66352

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			11/06/23 23:18	1

Lab Sample ID: LCS 880-66246/2-A  
 Matrix: Solid  
 Analysis Batch: 66352

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.9		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-66246/3-A  
 Matrix: Solid  
 Analysis Batch: 66352

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-35378-A-12-F MS  
 Matrix: Solid  
 Analysis Batch: 66352

Client Sample ID: Matrix Spike  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	204		252	431.1		mg/Kg		90	90 - 110

Lab Sample ID: 880-35378-A-12-G MSD  
 Matrix: Solid  
 Analysis Batch: 66352

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	204		252	431.3		mg/Kg		90	90 - 110	0	20

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### QC Association Summary

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

#### GC VOA

##### Analysis Batch: 66231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	8021B	66319
890-5566-2	CS -1	Total/NA	Solid	8021B	66319
890-5566-3	CS -2	Total/NA	Solid	8021B	66319
890-5566-4	CS -3	Total/NA	Solid	8021B	66319
890-5566-5	CS -4	Total/NA	Solid	8021B	66319
890-5566-6	CS -5	Total/NA	Solid	8021B	66319
890-5566-7	CS -6	Total/NA	Solid	8021B	66319
890-5566-8	CS -7	Total/NA	Solid	8021B	66319
890-5566-9	CS -8	Total/NA	Solid	8021B	66319
MB 880-66262/5-A	Method Blank	Total/NA	Solid	8021B	66262
MB 880-66319/5-A	Method Blank	Total/NA	Solid	8021B	66319
LCS 880-66319/1-A	Lab Control Sample	Total/NA	Solid	8021B	66319
LCSD 880-66319/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66319
890-5566-1 MS	SW -1	Total/NA	Solid	8021B	66319
890-5566-1 MSD	SW -1	Total/NA	Solid	8021B	66319

##### Prep Batch: 66262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-66262/5-A	Method Blank	Total/NA	Solid	5035	

##### Prep Batch: 66319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	5035	
890-5566-2	CS -1	Total/NA	Solid	5035	
890-5566-3	CS -2	Total/NA	Solid	5035	
890-5566-4	CS -3	Total/NA	Solid	5035	
890-5566-5	CS -4	Total/NA	Solid	5035	
890-5566-6	CS -5	Total/NA	Solid	5035	
890-5566-7	CS -6	Total/NA	Solid	5035	
890-5566-8	CS -7	Total/NA	Solid	5035	
890-5566-9	CS -8	Total/NA	Solid	5035	
MB 880-66319/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66319/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66319/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5566-1 MS	SW -1	Total/NA	Solid	5035	
890-5566-1 MSD	SW -1	Total/NA	Solid	5035	

##### Analysis Batch: 66521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	Total BTEX	
890-5566-2	CS -1	Total/NA	Solid	Total BTEX	
890-5566-3	CS -2	Total/NA	Solid	Total BTEX	
890-5566-4	CS -3	Total/NA	Solid	Total BTEX	
890-5566-5	CS -4	Total/NA	Solid	Total BTEX	
890-5566-6	CS -5	Total/NA	Solid	Total BTEX	
890-5566-7	CS -6	Total/NA	Solid	Total BTEX	
890-5566-8	CS -7	Total/NA	Solid	Total BTEX	
890-5566-9	CS -8	Total/NA	Solid	Total BTEX	

## QC Association Summary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

## GC Semi VOA

## Analysis Batch: 66221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	8015B NM	66312
890-5566-2	CS -1	Total/NA	Solid	8015B NM	66312
890-5566-3	CS -2	Total/NA	Solid	8015B NM	66312
890-5566-4	CS -3	Total/NA	Solid	8015B NM	66312
890-5566-5	CS -4	Total/NA	Solid	8015B NM	66312
890-5566-6	CS -5	Total/NA	Solid	8015B NM	66312
890-5566-7	CS -6	Total/NA	Solid	8015B NM	66312
MB 880-66312/1-A	Method Blank	Total/NA	Solid	8015B NM	66312
LCS 880-66312/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66312
LCSD 880-66312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66312
890-5565-A-53-F MS	Matrix Spike	Total/NA	Solid	8015B NM	66312
890-5565-A-53-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	66312

## Prep Batch: 66312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	8015NM Prep	
890-5566-2	CS -1	Total/NA	Solid	8015NM Prep	
890-5566-3	CS -2	Total/NA	Solid	8015NM Prep	
890-5566-4	CS -3	Total/NA	Solid	8015NM Prep	
890-5566-5	CS -4	Total/NA	Solid	8015NM Prep	
890-5566-6	CS -5	Total/NA	Solid	8015NM Prep	
890-5566-7	CS -6	Total/NA	Solid	8015NM Prep	
MB 880-66312/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66312/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66312/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5565-A-53-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-5565-A-53-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Prep Batch: 66313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-8	CS -7	Total/NA	Solid	8015NM Prep	
890-5566-9	CS -8	Total/NA	Solid	8015NM Prep	
MB 880-66313/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-66313/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-66313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5566-8 MS	CS -7	Total/NA	Solid	8015NM Prep	
890-5566-8 MSD	CS -7	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 66344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-8	CS -7	Total/NA	Solid	8015B NM	66313
890-5566-9	CS -8	Total/NA	Solid	8015B NM	66313
MB 880-66313/1-A	Method Blank	Total/NA	Solid	8015B NM	66313
LCS 880-66313/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	66313
LCSD 880-66313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	66313
890-5566-8 MS	CS -7	Total/NA	Solid	8015B NM	66313
890-5566-8 MSD	CS -7	Total/NA	Solid	8015B NM	66313

## Analysis Batch: 66355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

## GC Semi VOA (Continued)

## Analysis Batch: 66355 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-2	CS -1	Total/NA	Solid	8015 NM	
890-5566-3	CS -2	Total/NA	Solid	8015 NM	
890-5566-4	CS -3	Total/NA	Solid	8015 NM	
890-5566-5	CS -4	Total/NA	Solid	8015 NM	
890-5566-6	CS -5	Total/NA	Solid	8015 NM	
890-5566-7	CS -6	Total/NA	Solid	8015 NM	
890-5566-8	CS -7	Total/NA	Solid	8015 NM	
890-5566-9	CS -8	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 66246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Soluble	Solid	DI Leach	
890-5566-2	CS -1	Soluble	Solid	DI Leach	
890-5566-3	CS -2	Soluble	Solid	DI Leach	
MB 880-66246/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66246/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66246/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-35378-A-12-F MS	Matrix Spike	Soluble	Solid	DI Leach	
880-35378-A-12-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

## Leach Batch: 66250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-4	CS -3	Soluble	Solid	DI Leach	
890-5566-5	CS -4	Soluble	Solid	DI Leach	
890-5566-6	CS -5	Soluble	Solid	DI Leach	
890-5566-7	CS -6	Soluble	Solid	DI Leach	
890-5566-8	CS -7	Soluble	Solid	DI Leach	
890-5566-9	CS -8	Soluble	Solid	DI Leach	
MB 880-66250/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-66250/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-66250/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5566-4 MS	CS -3	Soluble	Solid	DI Leach	
890-5566-4 MSD	CS -3	Soluble	Solid	DI Leach	

## Analysis Batch: 66327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-4	CS -3	Soluble	Solid	300.0	66250
890-5566-5	CS -4	Soluble	Solid	300.0	66250
890-5566-6	CS -5	Soluble	Solid	300.0	66250
890-5566-7	CS -6	Soluble	Solid	300.0	66250
890-5566-8	CS -7	Soluble	Solid	300.0	66250
890-5566-9	CS -8	Soluble	Solid	300.0	66250
MB 880-66250/1-A	Method Blank	Soluble	Solid	300.0	66250
LCS 880-66250/2-A	Lab Control Sample	Soluble	Solid	300.0	66250
LCSD 880-66250/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66250
890-5566-4 MS	CS -3	Soluble	Solid	300.0	66250
890-5566-4 MSD	CS -3	Soluble	Solid	300.0	66250

Eurofins Carlsbad

### QC Association Summary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

#### HPLC/IC

#### Analysis Batch: 66352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5566-1	SW -1	Soluble	Solid	300.0	66246
890-5566-2	CS -1	Soluble	Solid	300.0	66246
890-5566-3	CS -2	Soluble	Solid	300.0	66246
MB 880-66246/1-A	Method Blank	Soluble	Solid	300.0	66246
LCS 880-66246/2-A	Lab Control Sample	Soluble	Solid	300.0	66246
LCSD 880-66246/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	66246
880-35378-A-12-F MS	Matrix Spike	Soluble	Solid	300.0	66246
880-35378-A-12-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	66246

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### Lab Chronicle

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: SW -1**

**Lab Sample ID: 890-5566-1**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 00:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 00:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 05:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 05:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	66246	11/06/23 16:00	CH	EET MID
Soluble	Analysis	300.0		1			66352	11/07/23 00:44	CH	EET MID

**Client Sample ID: CS -1**

**Lab Sample ID: 890-5566-2**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 00:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 00:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 05:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 05:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66246	11/06/23 16:00	CH	EET MID
Soluble	Analysis	300.0		1			66352	11/07/23 00:51	CH	EET MID

**Client Sample ID: CS -2**

**Lab Sample ID: 890-5566-3**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 00:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 00:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 05:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 05:52	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66246	11/06/23 16:00	CH	EET MID
Soluble	Analysis	300.0		1			66352	11/07/23 00:57	CH	EET MID

**Client Sample ID: CS -3**

**Lab Sample ID: 890-5566-4**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 01:10	SM	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -3**

**Lab Sample ID: 890-5566-4**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

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			66355	11/07/23 06:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 06:13	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 17:48	CH	EET MID

**Client Sample ID: CS -4**

**Lab Sample ID: 890-5566-5**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

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	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 01:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 01:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 06:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 06:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 18:04	CH	EET MID

**Client Sample ID: CS -5**

**Lab Sample ID: 890-5566-6**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 01:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 01:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 06:58	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 06:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 18:09	CH	EET MID

**Client Sample ID: CS -6**

**Lab Sample ID: 890-5566-7**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 02:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 02:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 07:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	66312	11/06/23 16:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66221	11/07/23 07:20	SM	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: NT Global  
 Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
 SDG: Eddy Co, NM

**Client Sample ID: CS -6**

**Lab Sample ID: 890-5566-7**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 18:14	CH	EET MID

**Client Sample ID: CS -7**

**Lab Sample ID: 890-5566-8**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 02:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 02:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 11:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	66313	11/06/23 16:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66344	11/07/23 11:59	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 18:20	CH	EET MID

**Client Sample ID: CS -8**

**Lab Sample ID: 890-5566-9**

Date Collected: 11/02/23 00:00

Matrix: Solid

Date Received: 11/03/23 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	66319	11/06/23 17:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66231	11/08/23 02:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			66521	11/08/23 02:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			66355	11/07/23 13:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	66313	11/06/23 16:26	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	66344	11/07/23 13:05	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	66250	11/06/23 09:46	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	66327	11/06/23 18:35	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: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

#### 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

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### Method Summary

Client: NT Global  
Project/Site: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

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: North Thistle 2 State #002H-L3

Job ID: 890-5566-1  
SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-5566-1	SW -1	Solid	11/02/23 00:00	11/03/23 13:50	0 -8'
890-5566-2	CS -1	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-3	CS -2	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-4	CS -3	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-5	CS -4	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-6	CS -5	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-7	CS -6	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-8	CS -7	Solid	11/02/23 00:00	11/03/23 13:50	8'
890-5566-9	CS -8	Solid	11/02/23 00:00	11/03/23 13:50	8'

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Chain of Custody

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Work Order No: \_\_\_\_\_

Page 1 of 1

Project Manager: Ethan Sessums  
 Company Name: NTG Environmental  
 Address: 209 W Mckay St  
 City, State ZIP: Carlsbad, NM 88220  
 Phone: 432-701-2159  
 Email: esessums@ntgglobal.com

Bill to: (if different)  
 Company Name: Wesley Matthews  
 Address: Devon  
 City, State ZIP:

**Work Order Comments**  
 Program:  UST/PST  PRP  Brownfields  RRC  Unperfund  
 State of Project: \_\_\_\_\_  
 Reporting Level:  Level II  Level III  PST/UST  TRP  Level IV  
 Deliverables:  EDD  ADAPT  Other: \_\_\_\_\_

Project Name: North Thistle 2 State #002H - L3  
 Project Number: 237627  
 Project Location: Eddy Co, NM  
 Sampler's Name: Clayton Turnas  
 PO #: 21198816

Turn Around:  Routine  Rush  
 Due Date: 48hrs  
 TAT starts the day received by the lab, if received by 4:30pm

**SAMPLE RECEIPT**  
 Received In tact:  Yes  No  
 Cooler Custody Seals:  Yes  No  
 Sample Custody Seals:  Yes  No  
 Total Containers: 9

Temp Blank:  Yes  No  
 Thermometer ID: TW1007  
 Correction Factor: -0.8  
 Temperature Reading: 8.8  
 Corrected Temperature: 8.0

Wet Ice:  Yes  No



HOLD

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
								BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	
SW-1	0-8ft	11/2/2023		X		Comp	1	X	X	X	
CS-1	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-2	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-3	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-4	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-5	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-6	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-7	8ft	11/2/2023		X		Comp	1	X	X	X	
CS-8	8ft	11/2/2023		X		Comp	1	X	X	X	

Additional Comments:

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

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 11/3	Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date/Time 2/13/20
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### Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-5566-1

SDG Number: Eddy Co, NM

**Login Number: 5566**

**List Source: Eurofins Carlsbad**

**List Number: 1**

**Creator: Bruns, Shannon**

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	

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### Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-5566-1

SDG Number: Eddy Co, NM

**Login Number: 5566**

**List Number: 2**

**Creator: Rodriguez, Leticia**

**List Source: Eurofins Midland**

**List Creation: 11/06/23 01:01 PM**

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	

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

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November 03, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: NORTH THISTLE 2 STATE #002H L5

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 14:59.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW - 3 A 0-1 FT (H236031-01)**

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	11/03/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW - 4 A 0-1 FT (H236031-02)**

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/03/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW - 6 A 0-1 FT (H236031-03)**

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW - 10 A 2-5 FT (H236031-04)**

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW - 12 A 2-5 FT (H236031-05)**

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 2 2 FT (H236031-06)**

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	11/03/2023	ND	2.02	101	2.00	0.881		
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 3 2 FT (H236031-07)**

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 4 2 FT (H236031-08)**

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	11/03/2023	ND	2.02	101	2.00	0.881	
Toluene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.50	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.07	104	2.00	1.01	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.14	102	6.00	0.818	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 8 2 FT (H236031-09)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 13 2 FT (H236031-10)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 19 2 FT (H236031-11)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 20 2 FT (H236031-12)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 25 2 FT (H236031-13)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 28 2 FT (H236031-14)**

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	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: CS - 30 2 FT (H236031-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 13 (1-2') (H236031-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 14 (1-2') (H236031-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 15 (1-2') (H236031-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 16 (1-2') (H236031-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 17 (1-2') (H236031-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	207	104	200	1.64	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	213	106	200	5.97	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 18 (1-2') (H236031-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/03/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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



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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 19 (1-2') (H236031-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19		
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53		
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28		
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22		
Total BTEX	<0.300	0.300	11/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/03/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	2.77		
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	212	106	200	3.68		
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND						

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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**Analytical Results For:**

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

Received:	11/02/2023	Sampling Date:	11/02/2023
Reported:	11/03/2023	Sampling Type:	Soil
Project Name:	NORTH THISTLE 2 STATE #002H L5	Sampling Condition:	Cool & Intact
Project Number:	237627	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO., NEW MEXICO		

**Sample ID: SW 20 (1-2') (H236031-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.09	104	2.00	4.19	
Toluene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.53	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.14	107	2.00	3.28	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.39	107	6.00	3.22	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	208	104	200	2.77	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	212	106	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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



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Notes and Definitions

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

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Chain of Custody

Work Order No: 11830031

Page 1 of 2

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

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

Project Name:	Project Number:	Project Location:	Sampler's Name:	PO #:	Turn Around		Due Date:	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
					<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush						
North Thistle 2 State #002H-L5	237627	Eddy Co. NM Leaflet	Clayton Turnas	21198816			24hrs	TAT starts the day received by the lab, if received by 4:30pm				
SAMPLE RECEIPT		Temp Blank:	Yes (No)	Thermometer ID:	Yes (No)	Wet Ice:	Yes (No)					
Received In tact:		Yes (No)	N/A	Correction Factor:	Yes (No)							
Cooler Custody Seals:		Yes (No)	N/A	Temperature Reading:	Yes (No)							
Sample Custody Seals:		Yes (No)	N/A	Corrected Temperature:	Yes (No)							
Total Containers:		15										
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500		
SW-3 A	0-1ft	11/2/2023		X		Comp	1	X	X	X		
SW-4 A	0-1ft	11/2/2023		X		Comp	1	X	X	X		
SW-6 A	0-1ft	11/2/2023		X		Comp	1	X	X	X		
SW-10 A	2-5ft	11/2/2023		X		Comp	1	X	X	X		
SW-12 A	2-5ft	11/2/2023		X		Comp	1	X	X	X		
CS-2	2ft	11/2/2023		X		Comp	1	X	X	X		
CS-3	2ft	11/2/2023		X		Comp	1	X	X	X		
CS-4	2ft	11/2/2023		X		Comp	1	X	X	X		
CS-8	2ft	11/2/2023		X		Comp	1	X	X	X		
CS-13	2ft	11/2/2023		X		Comp	1	X	X	X		

Additional Comments:

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

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

HOLD  
None: NO DI Water: H2O  
Cool: Cool MeOH: Me  
HCL: HC HNO3: HN  
H2SO4: H2 NaOH: Na  
H3PO4: HP  
NaHSO4: NABIS  
Na2S2O8: NaSO3  
Zn Acetate+NaOH: Zn  
NaOH+Ascorbic Acid: SAPC



Chain of Custody

Work Order No: 1830031

Page 2 of 2

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

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

Project Name	Project Number	Turn Around		Pres. Code	ANALYSIS REQUEST			Preservative Codes	
		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500		
Project Location	North Thistle 2 State #002H-L5	Due Date: 24hrs							
Sampler's Name:	Eddy Co. NM-106911 Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm							
PO #:	21198816	TAT starts the day received by the lab, if received by 4:30pm							
<b>SAMPLE RECEIPT</b>	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	180						
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:							
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	0.92						
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:							
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	Sample Comments
CS-19	2ft	11/21/2023		X		Comp	1	X X X	11
CS-20	2ft	11/21/2023		X		Comp	1	X X X	1a
CS-25	2ft	11/21/2023		X		Comp	1	X X X	13
CS-28	2ft	11/21/2023		X		Comp	1	X X X	14
CS-30	2ft	11/21/2023		X		Comp	1	X X X	15

**Additional Comments:**

<p>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.</p>			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)
		11/23/23 1459	
1		2	
3		4	
5		6	



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> <i>VITALE</i> <b>Project Manager:</b> <i>Ethan Jessum</i> <b>Address:</b> <i>209 W. McCoy St</i> <b>City:</b> <i>Carlsbad</i> <b>State:</b> <i>NM</i> <b>Zip:</b> <i>88220</i> <b>Phone #:</b> <i>505-762-71</i> <b>Fax #:</b> _____ <b>Project #:</b> <i>23762-1</i> <b>Project Owner:</b> _____ <b>Project Name:</b> <i>North Thistle 2 Star Hour-15</i> <b>Project Location:</b> <i>Eye Co, NM</i> <b>Sampler Name:</b> <i>Clayton Turner</i>		<b>BILL TO</b> <b>P.O. #:</b> <i>2198816</i> <b>Company:</b> <i>Decon</i> <b>Attn:</b> <i>Wesley Matthews</i> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____		
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <i>H234031</i> <b>Sample I.D.</b> <i>SW13 (1-21)</i> <i>SW14</i> <i>SW15</i> <i>SW16</i> <i>SW17</i> <i>SW18</i> <i>SW19</i> <i>SW20</i>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING DATE TIME	ANALYSIS REQUEST X <i>TEX</i> X <i>TPH</i> X <i>CAPLORITE</i>
<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> <i>1-2-23</i> <b>Time:</b> <i>4:59</i> <b>Received By:</b> <i>[Signature]</i> <b>Date:</b> _____ <b>Time:</b> _____		<b>REMARKS:</b>		
<b>Delivered By: (Circle One)</b> UPS - <input type="checkbox"/> Bus - <input type="checkbox"/> Other: _____ <b>Observed Temp. °C:</b> <i>0.9</i> <b>Corrected Temp. °C:</b> _____ <b>Sample Condition:</b> Cool Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sample Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Checked By:</b> <i>[Signature]</i>		<b>Turnaround Time:</b> <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Add'l Phone #: <b>Thermometer ID #140:</b> <i>24hr</i> Correction Factor 0°C: _____ Bacteria (only) Sample Condition: Cool Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____		

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

QUESTIONS

Action 291062

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nOY1732130408
Incident Name	NOY1732130408 NORTH THISTLE 2 STATE #002H @ 30-025-42821
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-42821] NORTH THISTLE 2 STATE #002H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	NORTH THISTLE 2 STATE #002H
Date Release Discovered	10/23/2017
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   Pipeline (Any)   Produced Water   Released: 355 BBL   Recovered: 250 BBL   Lost: 105 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)	Not answered.

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QUESTIONS, Page 2

Action 291062

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>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.</i>	

**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	False
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	this spill happened in 2017. The people associated with the spill are no longer remediating spills.

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 01/15/2024
--	--

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**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**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
<i>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.</i>	
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)	8200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	232
GRO+DRO (EPA SW-846 Method 8015M)	110
BTEX (EPA SW-846 Method 8021B or 8260B)	0.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	10/24/2023
On what date will (or did) the final sampling or liner inspection occur	11/02/2023
On what date will (or was) the remediation complete(d)	11/08/2023
What is the estimated surface area (in square feet) that will be reclaimed	1116
What is the estimated volume (in cubic yards) that will be reclaimed	330.7
What is the estimated surface area (in square feet) that will be remediated	6583
What is the estimated volume (in cubic yards) that will be remediated	404.4

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 291062

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	291062
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	R360 Artesia LLC LANDFARM [FEEM0112340644]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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@dmr.com Date: 01/15/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 291062

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Deferral Requests Only**

*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
--	----

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QUESTIONS, Page 6

Action 291062

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>303550</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>11/02/2023</b>
What was the (estimated) number of samples that were to be gathered	<b>6</b>
What was the sampling surface area in square feet	<b>1116</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>6583</b>
What was the total volume (cubic yards) remediated	<b>404</b>
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>1116</b>
What was the total volume (in cubic yards) reclaimed	<b>331</b>
Summarize any additional remediation activities not included by answers (above)	<b>dig and haul</b>

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 01/15/2024
--	--

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QUESTIONS, Page 7

Action 291062

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 291062

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 291062
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/16/2024