

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.



Mr. Mike Bratcher  
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**

---

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
-----------------------------------------------	-----------------------------------------------	----------------------

### LOCATION OF RELEASE: Please see Page 2 for locations of the spills related to this incident.

Unit Letter	Section	Township 23S	Range 33E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea	
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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	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>RECEIVED</b>  <i>By Olivia Yu at 7:48 am, Nov 17, 2017</i> </div>
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@dv.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.  
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

**- PAGE 2**

### 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:

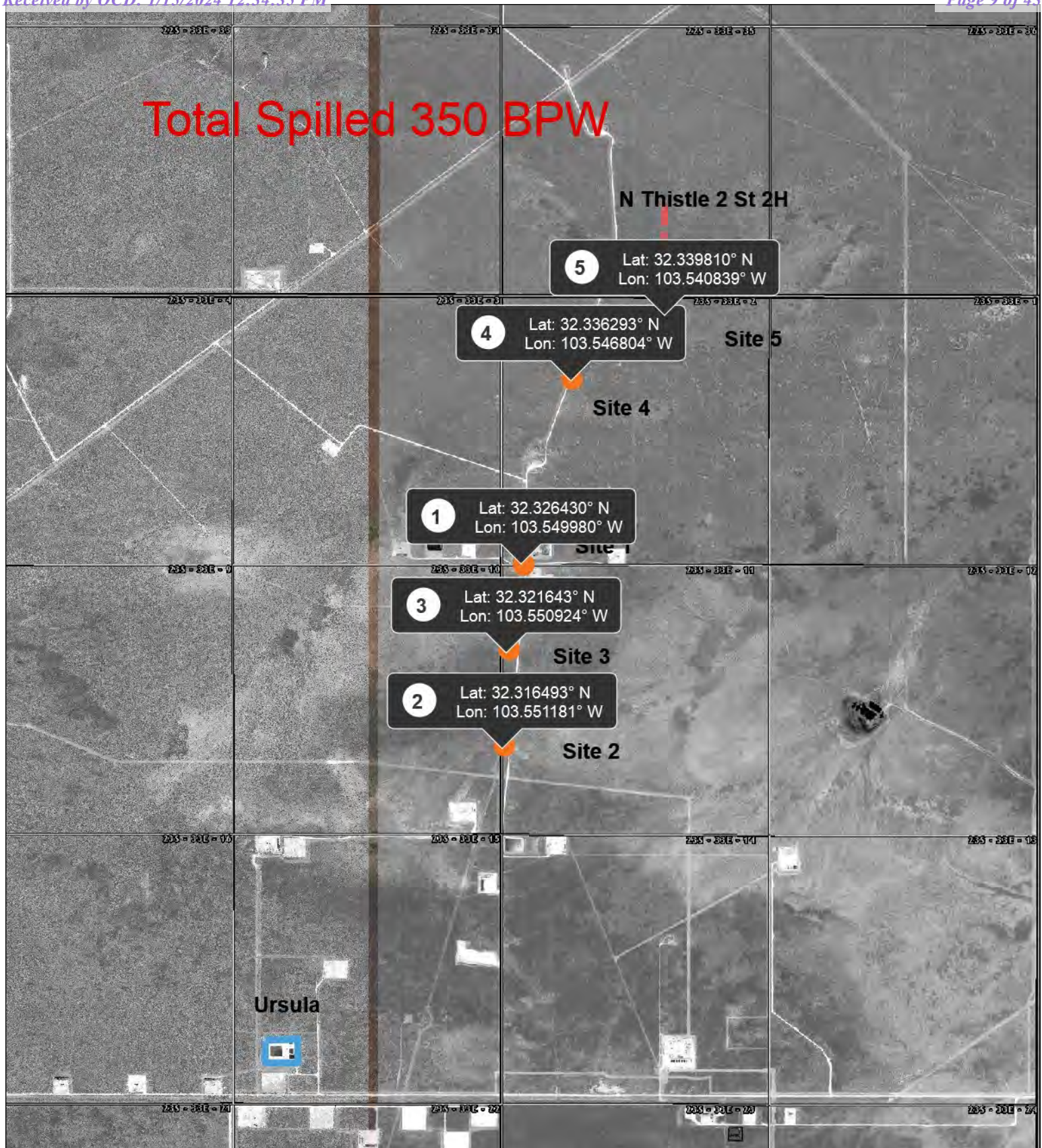
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
		23S	33E					Lea

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)	

Signature: <b>Denise Menoud</b>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Denise Menoud		Approved by Environmental Specialist:	
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





### N Thistle 2 St 2H Spill 10/23/2017



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

■ Devon Maintained City  
Boundaries  
□ Devon Maintained City  
ETJ

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 ½-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.

State of New Mexico  
Oil Conservation Division

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Incident ID	nOY1732130408
District RP	
Facility ID	
Application ID	

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: \_\_\_Dale Woodall\_\_\_\_\_ Title: \_\_\_Env. Professional\_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_11/30/23\_\_\_\_\_

email: \_\_\_dale.woodall@dm.com\_\_\_\_\_ Telephone: \_\_\_575-748-1838\_\_\_\_\_

**OCD Only**

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

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
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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/>



STATEMENT OF CONFIDENTIALITY: The contents of this e-mail and its attachments are intended solely for the addressee(s) hereof. In addition, this e-mail transmission may be confidential. If you are not the named addressee, or if this message has been addressed to you in error, you are directed not to read, disclose, reproduce, distribute, disseminate or otherwise use this transmission. Delivery of this message to any person other than the intended recipients(s) is not intended in any way to waive confidentiality. If you have received this transmission in error, please alert the sender by reply e-mail; we also request that you immediately delete this message and its attachments, if any.

**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	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
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 and unstable area?	No					
Within a 100 yr floodplain?	No					

\* - numerical limit or background, whichever is greater

## OCD Well Locations - Karst



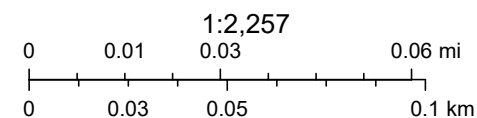
11/30/2023, 10:00:34 AM

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-ernrd.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

● GIS WATERS PODs

□ OSE District Boundary

Water Right Regulations

□ Closure Area

New Mexico State Trust Lands

□ Subsurface Estate

□ Surface Estate

□ Both Estates

NHD Flowlines

— Stream River

□ SiteBoundaries

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



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

1:6,000

103°32'41"W 32°19'20"N

Released to Imaging: 1/16/2024 11:54:39 AM

Basemap Imagery Source: USGS National Map 2023

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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
- Estuarine and Marine Wetland

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




- Lake
- Other
- Riverine

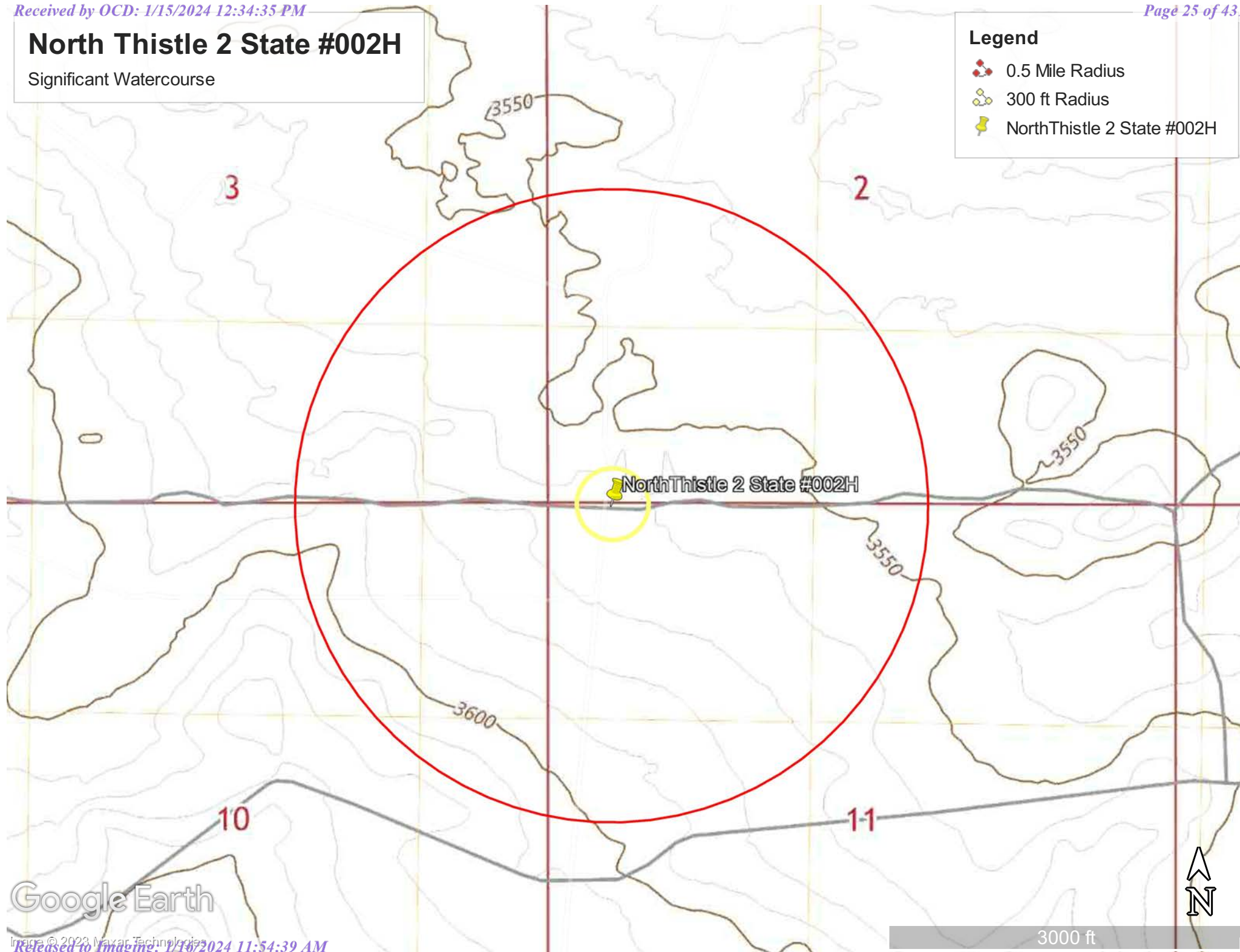
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# 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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Vertical Delineation Samples														
V-1	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	42.9	
	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	128	
	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	71.0	
	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	62.9	
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	
	8/16/2023	0.5-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	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	83.6	
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	
	8/16/2023	0.5-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	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	16.0	
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	
	8/16/2023	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	16.0	
	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	48.0	
	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	109	
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	48.0	
	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	32.0	
	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	46.9	
	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	106	
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	32.0	
	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	48.0	
	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	56.4	
Horizontal Delineation Samples														
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	
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:

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

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

Table 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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	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	42.9
	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
Horizontal Delineation Samples													
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:

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

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

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

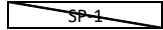
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6- C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Vertical Delineation Samples														
V-1	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	
V-4	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	
	Horizontal Delineation Samples													
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	32	
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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6- C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
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:

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



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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Vertical Delineation Samples														
V-1	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	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	
Horizontal Delineation Samples														
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	32	
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:

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

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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Vertical Delineation Samples														
V-1	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	
Test Pit Delineation Samples														
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**

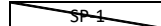
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
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	32
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	32
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	32
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	160
Horizontal Delineation Samples													
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	48
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	144
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	48
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	96

1. Values reported in mg/kg

2. &lt; = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B



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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6- C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Confirmation Samples													
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
Sidewall Samples													
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
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 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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Confirmation Samples														
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	<del>&lt;10.0</del>	<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	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 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	
Sidewall Samples														
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	
<del>SW-3</del>	<del>10/24/2023</del>	<del>0-1'</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>	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	
<del>SW-4</del>	<del>10/24/2023</del>	<del>0-1'</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>	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	
<del>SW-6</del>	<del>10/24/2023</del>	<del>0-1'</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>	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	
<del>SW-10</del>	<del>10/24/2023</del>	<del>1-5'</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>	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	
<del>SW-12</del>	<del>10/24/2023</del>	<del>1-5'</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>	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:

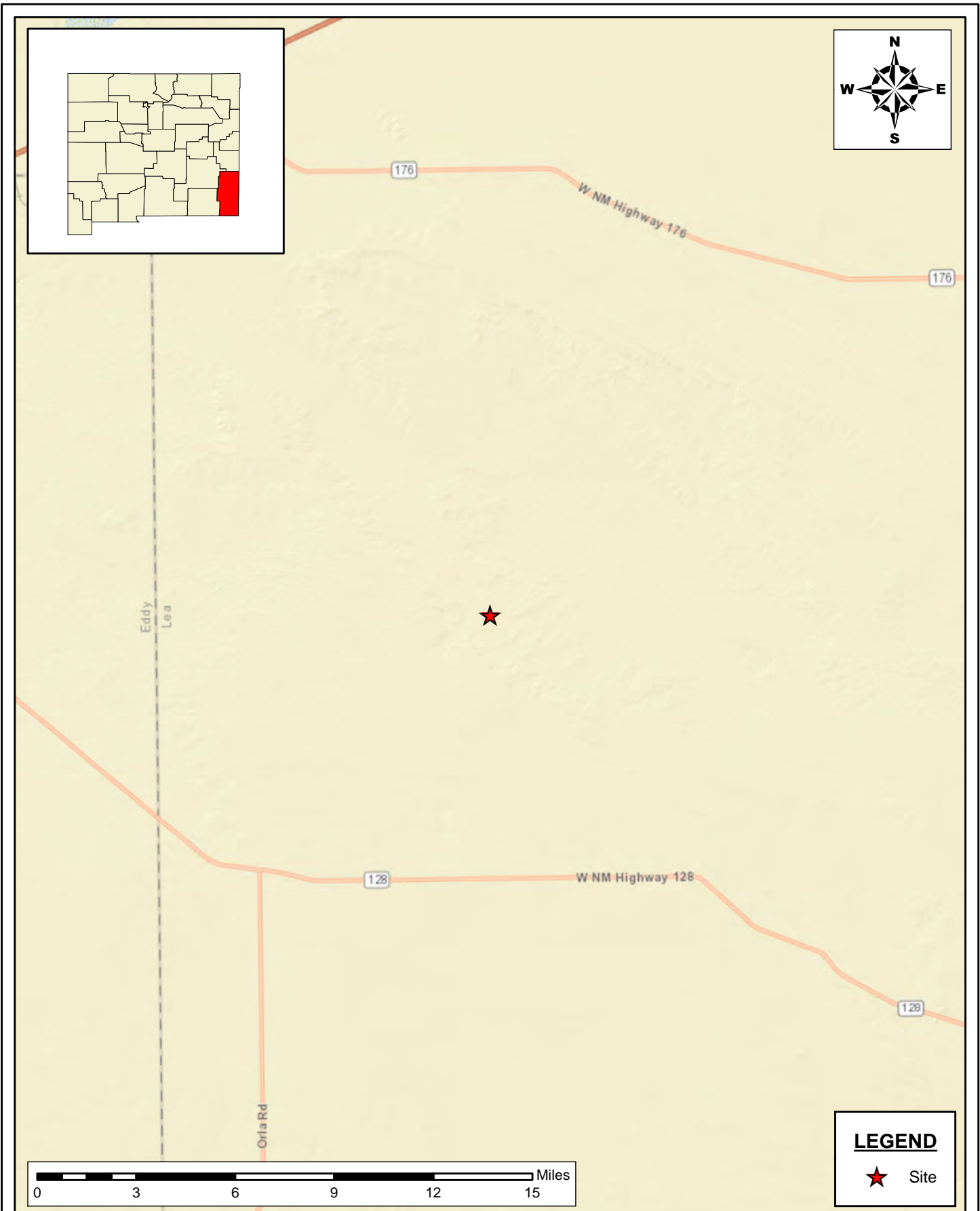
- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- SP-1 Sample Point Excavated

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

## **FIGURES**

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Document Path: P:\2023 PROJECTS\DEVON\SC237627 - North Thistle 2 State #002HV - 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**  
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Web: www.ntgenviroinmental.com

**NOTES:**

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

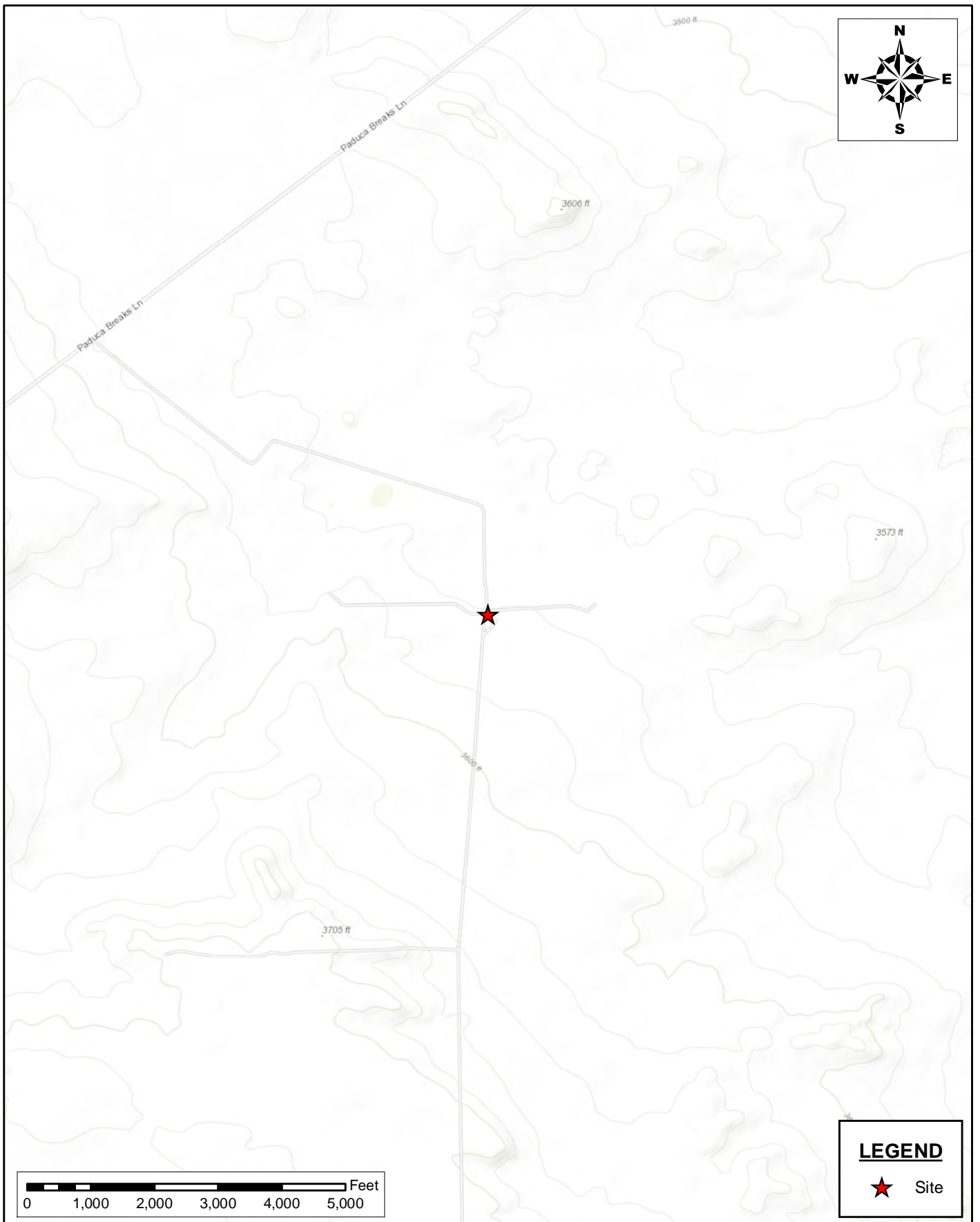
DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**

Document Path: P:\2023 PROJECTS\DEVON\NSO\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

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



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**NOTES:**

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

DRAWING NUMBER:

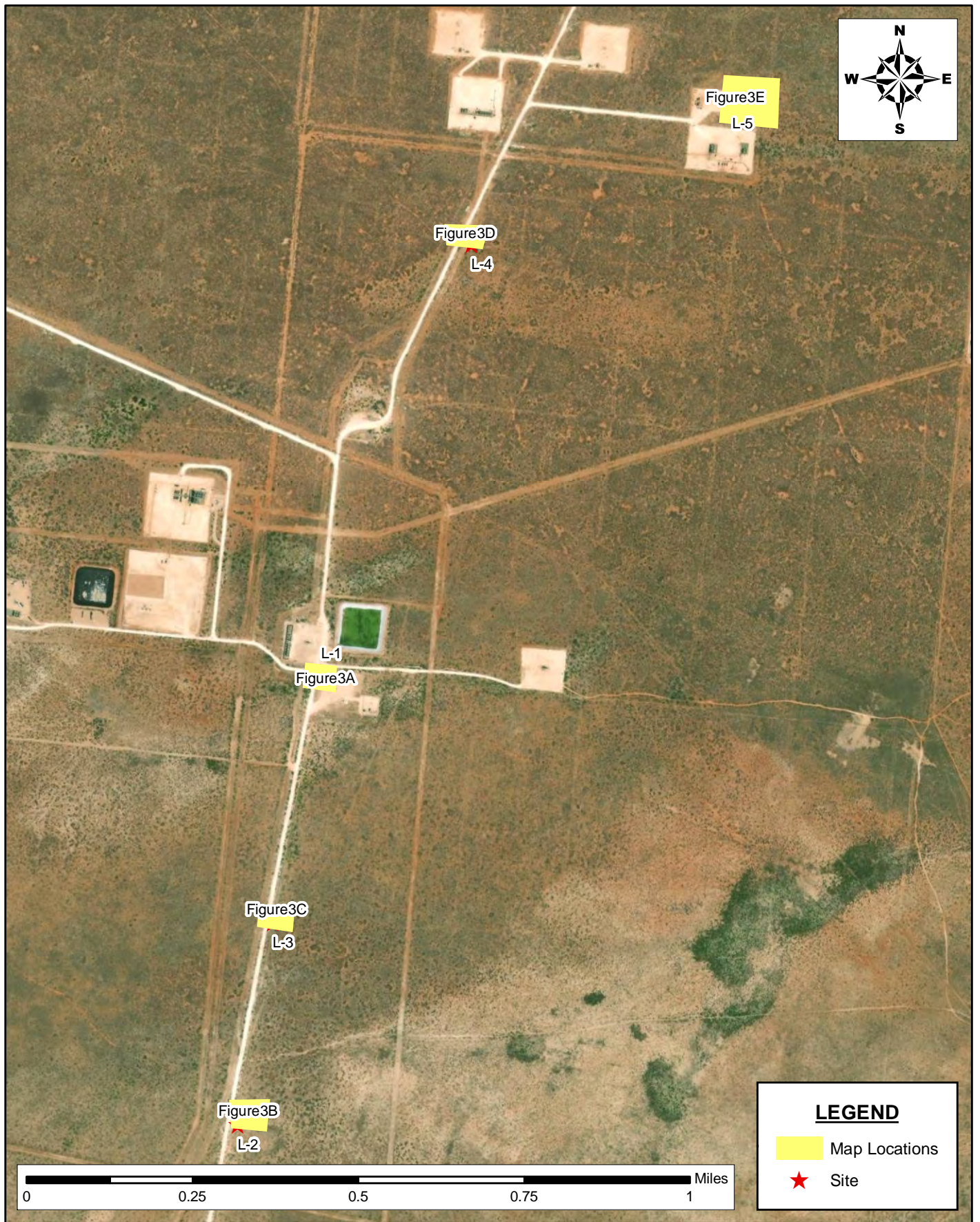
**FIGURE 2**

SHEET NUMBER:

**1 of 1**



Document Path: P:\2023 PROJECTS\DEVON\NISC\237627 - North Thistle 2 State #002H\7- Figures\GIS\Figure\_3\_overviewClosure Map.mxd



**INITIAL SAMPLING MAP  
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

DRAWING NUMBER:

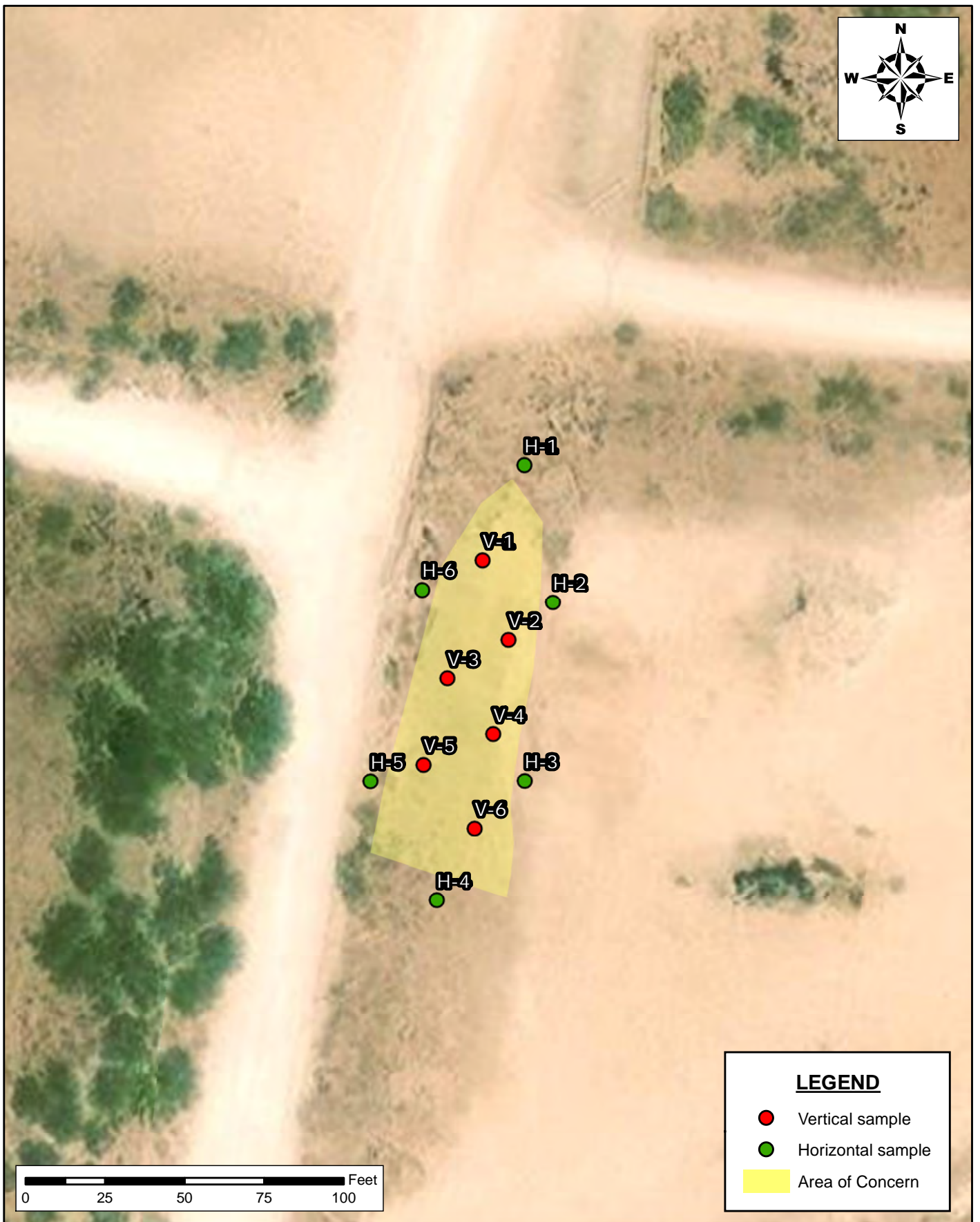
**FIGURE 3**

SHEET NUMBER:

**1 of 1**



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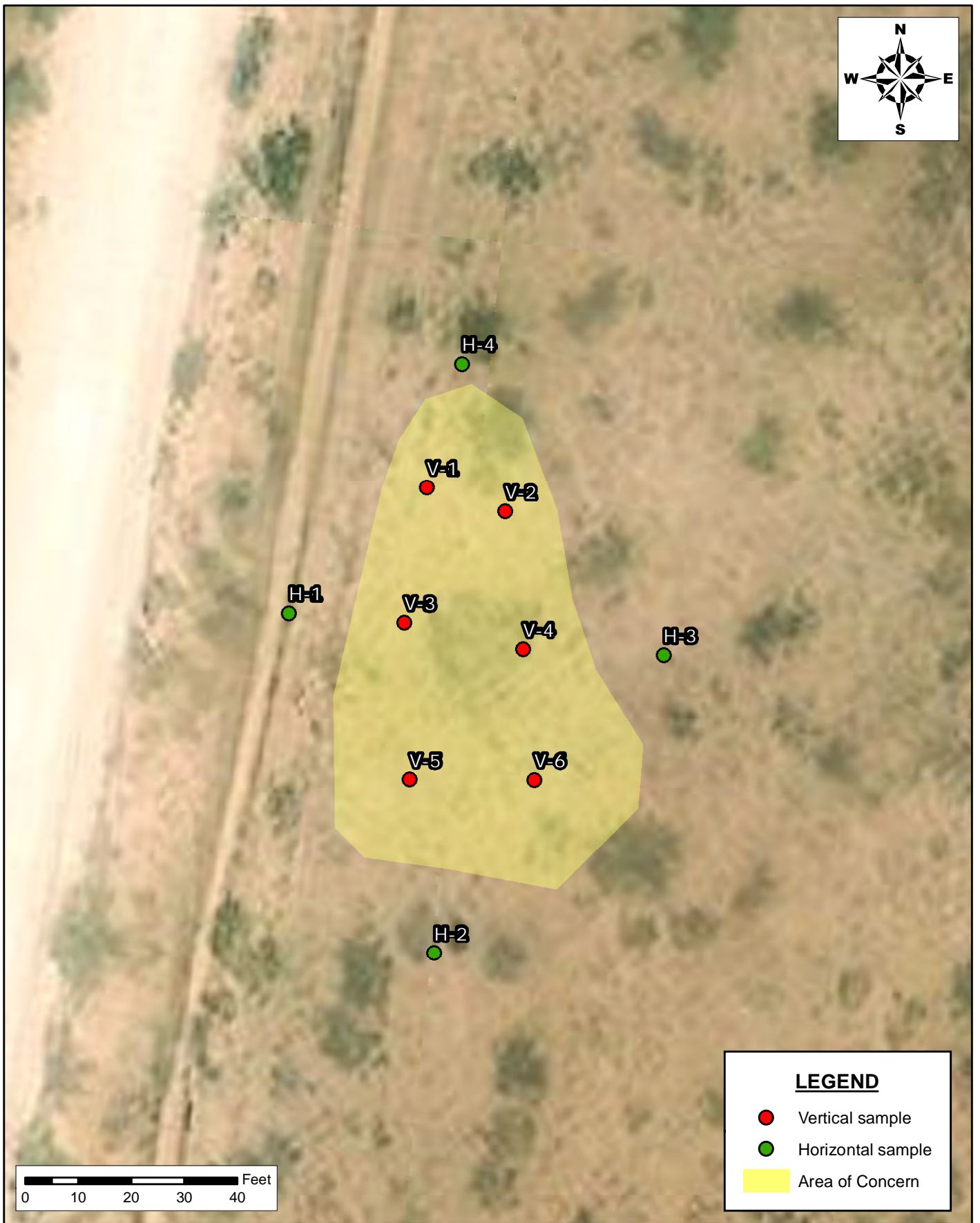
<b>INITIAL SAMPLING MAP - L1 CLOSURE</b> NORTH THISTLE 2 STATE #002H DEVON ENERGY PRODUCTION COMPANY LEA COUNTY, NEW MEXICO		
SCALE: AS SHOWN	DATE: 09/19/2023	PROJECT #: 237627

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---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>NOTES:</b> 1. Base Image: ESRI Maps & Data 2017 2. Map Projection: NAD 1983
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DRAWING NUMBER: <b>FIGURE 3A</b>
SHEET NUMBER: <b>1 of 1</b>

Document Path: P:\2023 PROJECTS\DEVON\NRS\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



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**NOTES:**

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

DRAWING NUMBER:

**FIGURE 3B**

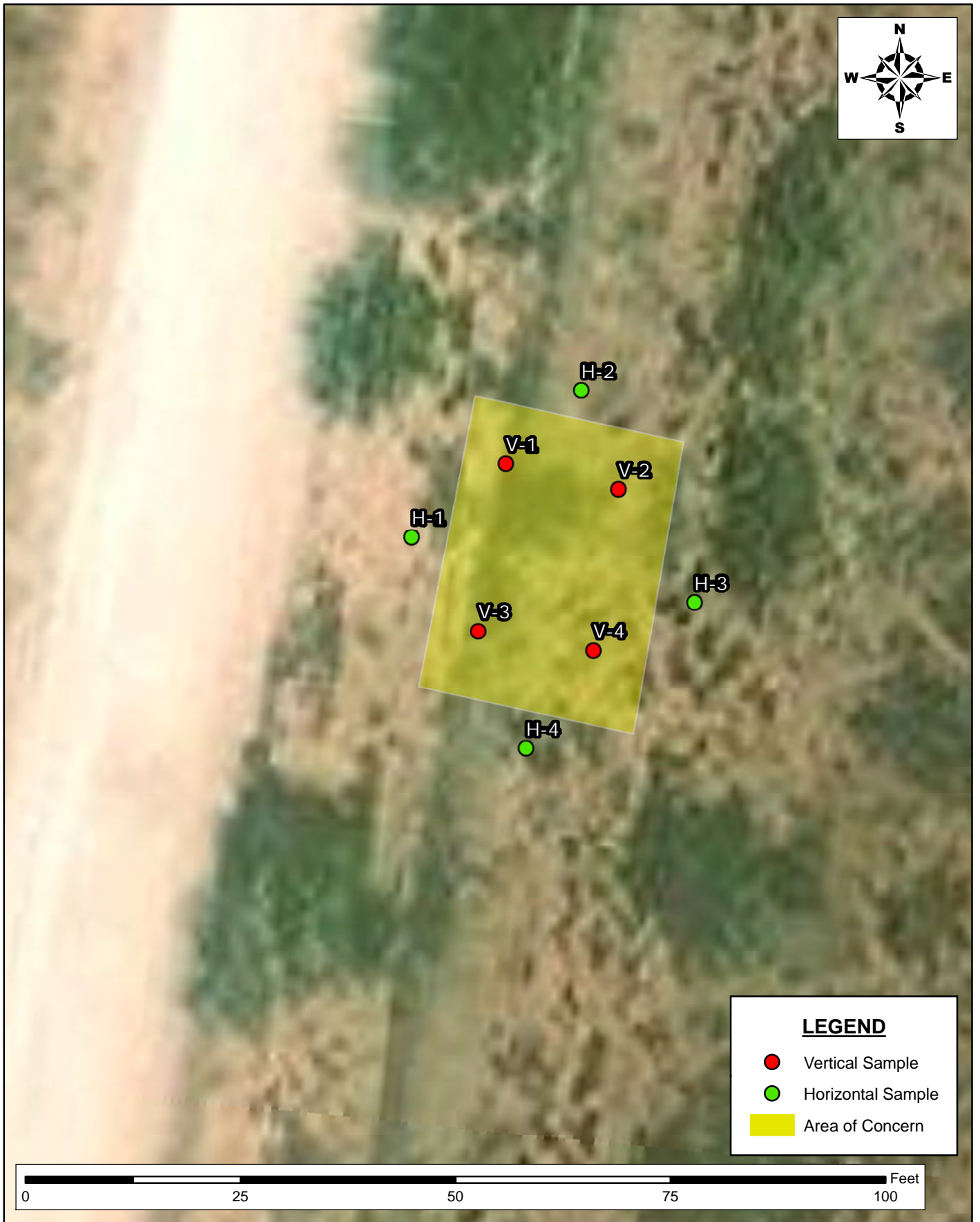
SHEET NUMBER:

**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



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**NOTES:**

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

DRAWING NUMBER:

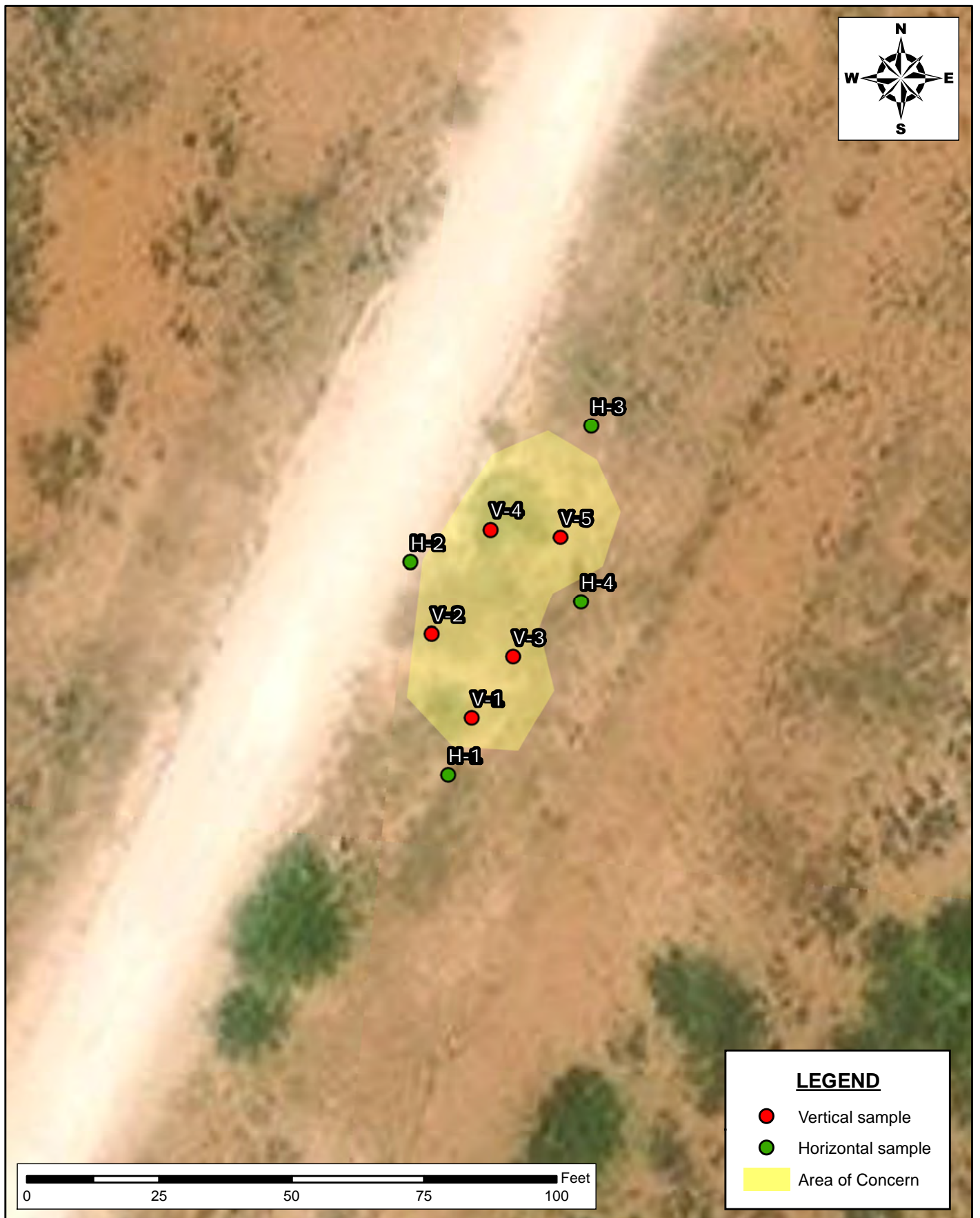
**FIGURE 3C**

SHEET NUMBER:

**1 of 1**

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

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**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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**NOTES:**

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

DRAWING NUMBER:

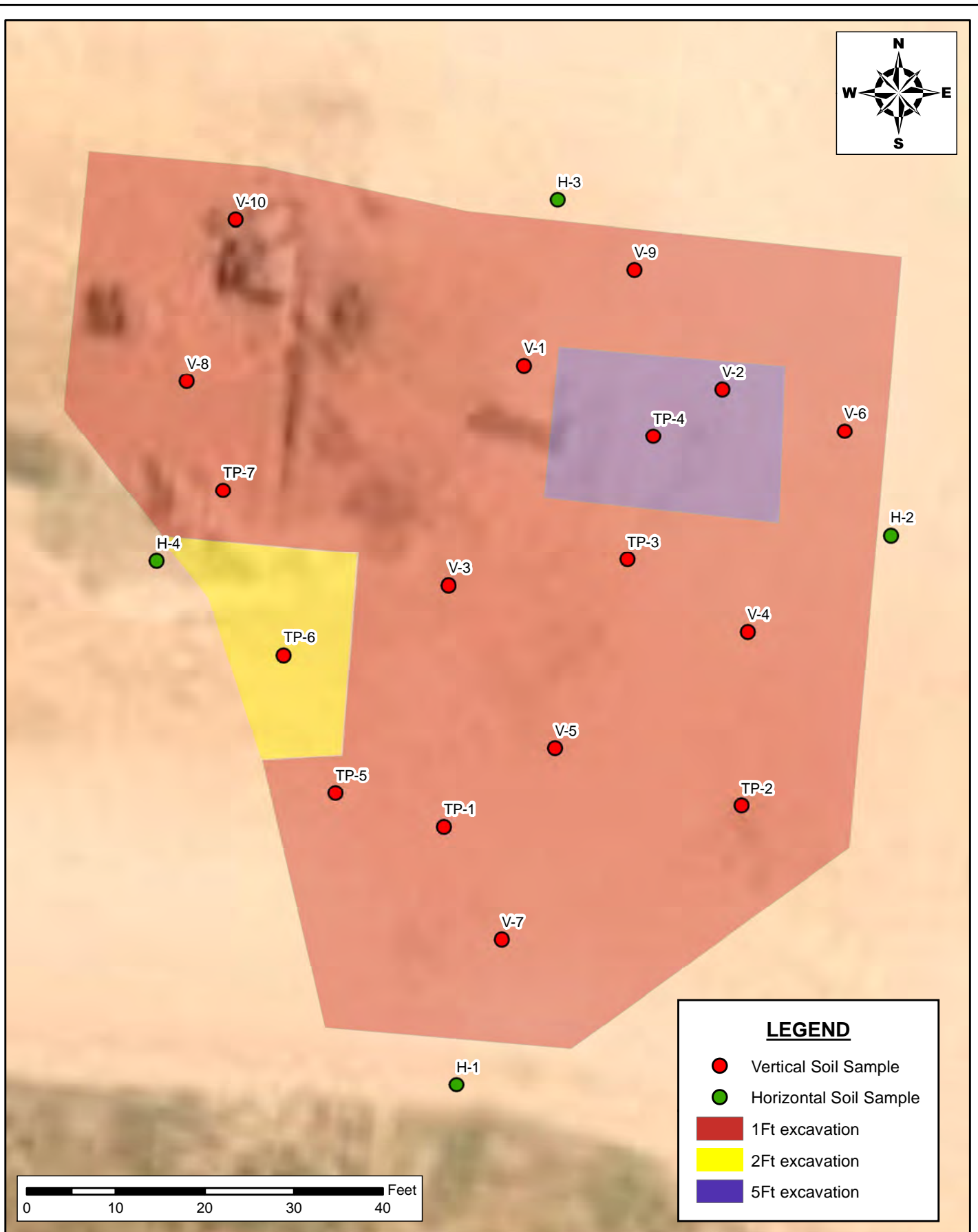
**FIGURE 3D**

SHEET NUMBER:

**1 of 1**



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**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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**NOTES:**

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

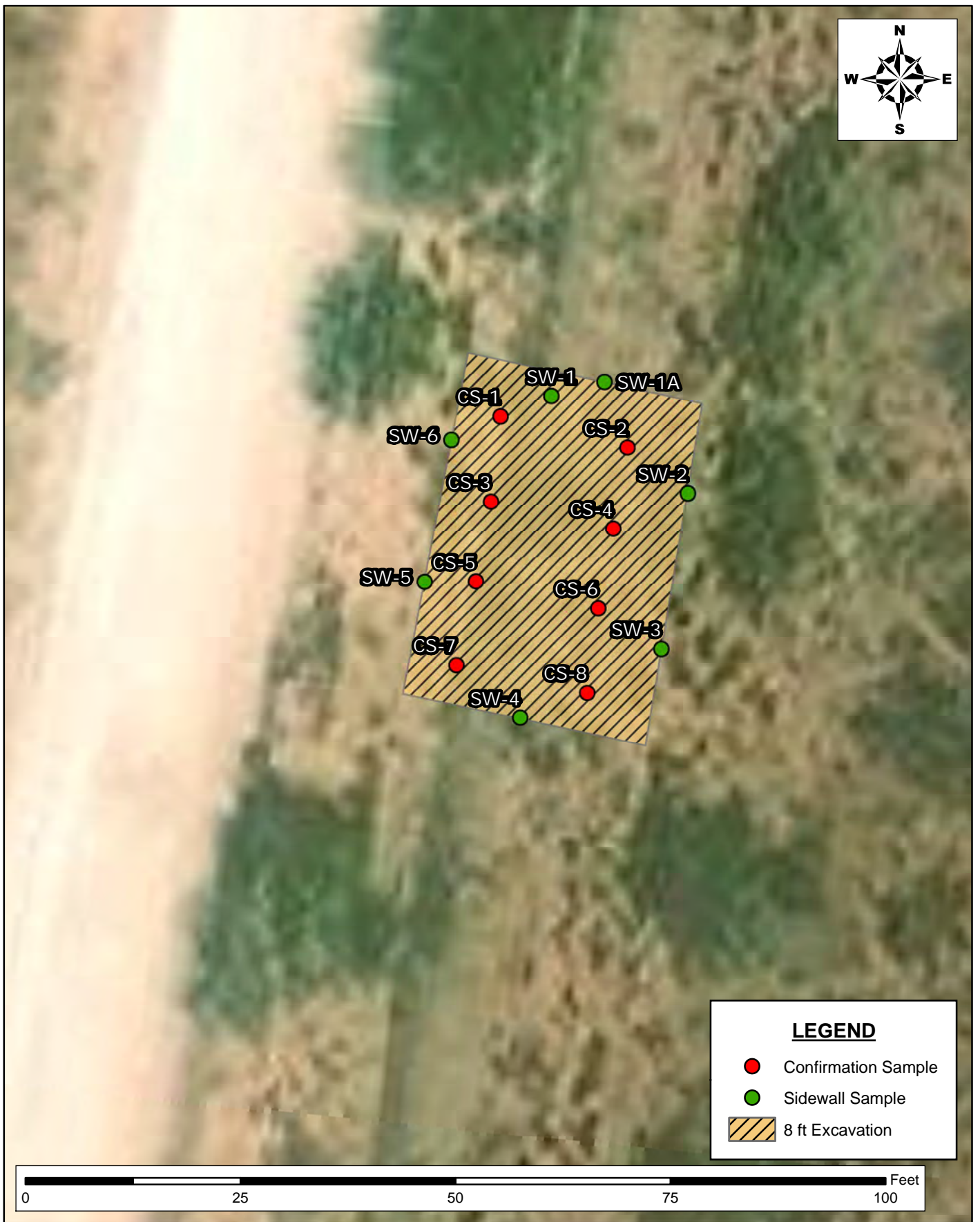
DRAWING NUMBER:

**FIGURE 3E**

SHEET NUMBER:

**1 of 1**

Document Path: C:\Users\ntg\Documents\2023 PROJECTS\DEVON\NRSC\237627 - North Thistle 2 State #002H\7- Figures\GIS\Figure\_4A L3 11.30.mxd



**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

  
**New Tech Global Environmental, LLC**  
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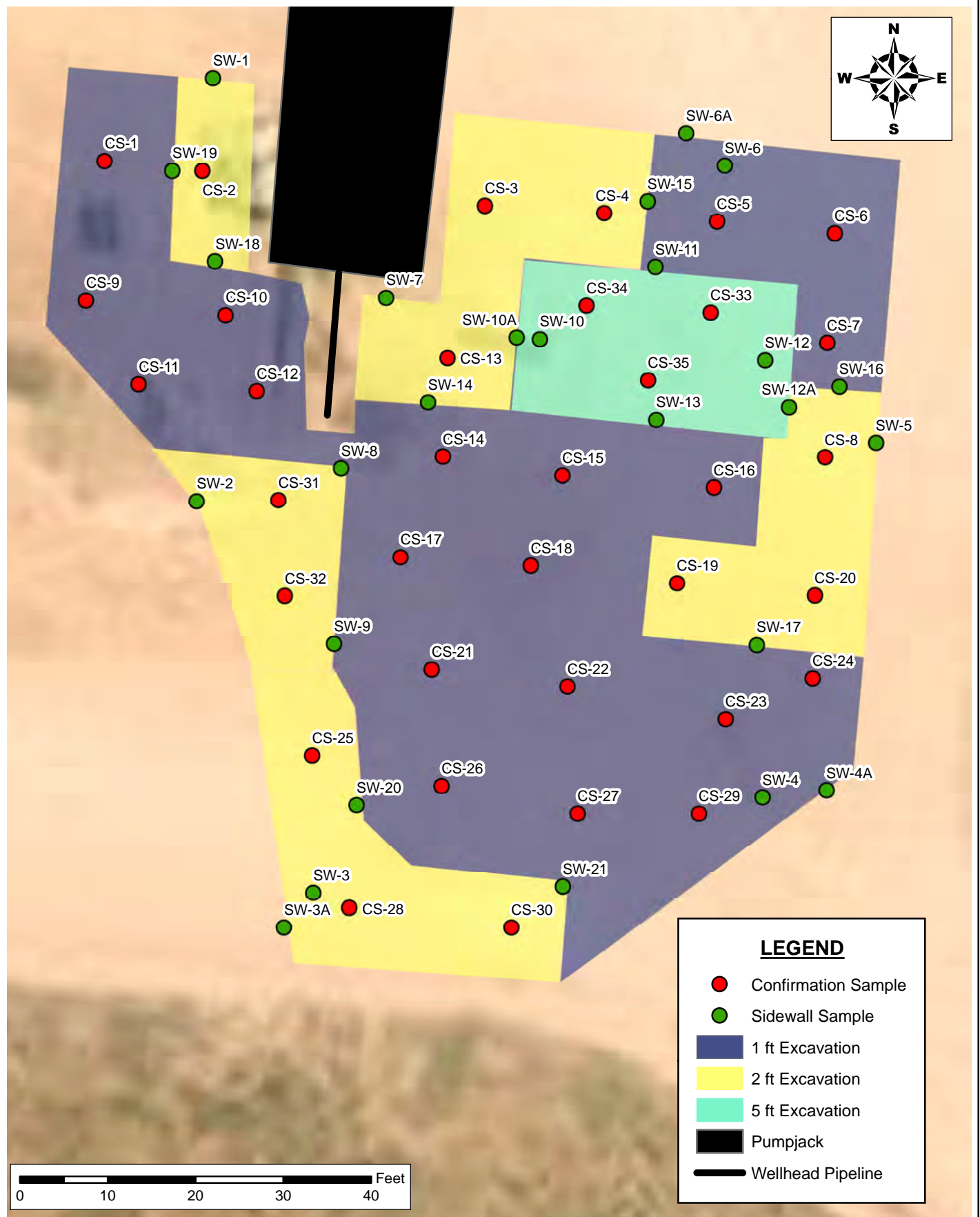
**NOTES:**  
1. Base Image: ESRI Maps & Data 2017  
2. Map Projection: NAD 1983

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

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



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**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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**NOTES:**

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

DRAWING NUMBER:

**FIGURE 4B**

SHEET NUMBER:

**1 of 1**

## **PHOTOGRAPHIC LOG**

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**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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	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)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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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Celey D. Keene, Lab Director/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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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

Cardinal Laboratories

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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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





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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L1  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No: 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@devon.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <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 L1	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes	
Project Number:	237627	Due Date:														None: NO	DI Water: H <sub>2</sub> O
Project Location:	Lea Co. New Mexico	TAT starts the day received by the lab, if received by 4:30pm														Cool: Cool	MeOH: Me
Sampler's Name:	Grant Gardner/Alex Gavia															HCL: HC	HNO <sub>3</sub> : HN
PO #:	21198816															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	3.82													Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:	21	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

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	X							
V-2 (0-6")	8/16/2023	10:03	X		Grab	1	X	X	X	X							
V-2 (6"-1')	8/16/2023	10:06	X		Grab	1	X	X	X	X							
V-3 (0-6")	8/16/2023	10:09	X		Grab	1	X	X	X	X							
V-3 (6"-1')	8/16/2023	10:12	X		Grab	1	X	X	X	X							
V-3 (1-1.5)	8/16/2023	10:15	X		Grab	1	X	X	X	X							
V-4 (0-6")	8/16/2023	10:18	X		Grab	1	X	X	X	X							
V-4 (6"-1')	8/16/2023	10:21	X		Grab	1	X	X	X	X							
V-4 (1-1.5)	8/16/2023	10:24	X		Grab	1	X	X	X	X							
V-4 (1.5-2')	8/16/2023	10:27	X		Grab	1	X	X	X	X							

Additional Comments:

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





## Chain of Custody

Work Order No: 4234502

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	<input type="checkbox"/> PR	<input type="checkbox"/> Brownfield	<input type="checkbox"/> R
State of Project:	<input type="checkbox"/> S	<input type="checkbox"/> R	<input type="checkbox"/> Super
Reporting Level	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TR
Deliverables: ED	<input checked="" type="checkbox"/> ADAP	<input type="checkbox"/> Other:	<input type="checkbox"/> Ld

Project Name:	North Thistle & State #002H L1	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	237627	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush													None: NO	DI Water: H <sub>2</sub> O
Project Location	Lea Co. New Mexico	Due Date:														Cool: Cool	MeOH: Me
Sampler's Name:	Grant Gardner/Alex Gavia	TAT starts the day received by the lab. if received by 4:30pm														HCL: HC	HNO <sub>3</sub> : HN
PO #:	21198816															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												
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 type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	3.82														
Total Containers:	21	Corrected Temperature:															
Parameters																	
BTEX 8021B																	
H 8015M ( GRO + DRO + MRO)																	
Chloride 4500																	
HOLD																	
NaOH+Ascorbic Acid: SAPC																	
Zn Acetate+NaOH: Zn																	
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																	
NaHSO <sub>4</sub> : NABIS																	
H <sub>3</sub> PO <sub>4</sub> : HP																	

[illegible]

Additional Comments:

Notice: Signature of this document constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, 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>	8/17/23	4:00pm	<i>[Signature]</i>	



## Chain of Custody

Work Order No: H234502

Page 3 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 <input type="checkbox"/>	PR <input type="checkbox"/>	Brownfield <input type="checkbox"/>
State of Project:			
Reporting Level:	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	<input type="checkbox"/> TR <input type="checkbox"/> P
Deliverables:	ED <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			
Project Number:		237627		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O		
Project Location:		Lea Co., New Mexico		Due Date:														Cool: Cool	MeOH: Me		
Sampler's Name:		Grant Gardner/Alex Gavia		TAT starts the day received by the lab. if received by 4:30pm														HCL: HC	HNO <sub>3</sub> : HN		
PO #:		21198816																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="checkbox"/> No		Wet Ice:		Yes <input checked="" type="checkbox"/> No								H <sub>3</sub> PO <sub>4</sub> : HP			
Received intact:		Yes <input checked="" type="checkbox"/> No		Thermometer ID:		146		Correction Factor:										NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Temperature Reading:		3.8°C		Corrected Temperature:										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A																Zn Acetate+NaOH: Zn			
Total Containers:		21																NaOH+Ascorbic Acid: SAPC			
Parameters								BTX 8021B												HOLD	
								8015M ( GRO + DRO + MRO)													
								Chloride 4500													

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, but not analyzed. These terms will be enforced unless previously repageted.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>[Signature]</i>	8/17/83	<i>[Signature]</i>	<i>[Signature]</i>	8-18-83 1300



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 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, 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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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





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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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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\*=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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 88.1 % 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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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 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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	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	<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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\*=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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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Celey D. Keene, Lab Director/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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L2  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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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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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A handwritten signature in black ink, appearing to read "C. 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@dyn.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <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"/> B	
Deliverables: ED <input checked="" type="checkbox"/> ADAP <input type="checkbox"/> Other:	

Project Name:	North Thistle 2 State #002H L2	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237627																None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	Grant Gardner/Alex Gavia	TAT starts the day received by the lab, if received by 4:30pm															HCL: HCl	HNO <sub>3</sub> : HN	
PO #:	21198816																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140														NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	3.82														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:	10	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC		

Sample Identification							Date	Time	Soil	Water	Grab/ Comp	# of Cont	PH												ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
V-1 (0-6")							8/16/2023	12:00	x		Grab	1	x	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	<u>Wade</u>	8/17/23	4:00pm	<u>Wade</u>	
3					
5					



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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 with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	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)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<0.300	0.300	08/23/2023	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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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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Celey D. Keene, Lab Director/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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<0.300	0.300	08/23/2023	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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<0.300	0.300	08/23/2023	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	3.92		

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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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



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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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	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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/23/2023	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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



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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	08/23/2023	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	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



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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<0.300	0.300	08/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	08/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	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



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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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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Celey D. Keene, Lab Director/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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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Celey D. Keene, Lab Director/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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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

Work Order No: H234521

Page 1 of 5

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Work Order Comments				
Program: UST/PS	<input type="checkbox"/> PR	<input type="checkbox"/> Brownfite	<input type="checkbox"/> R	<input type="checkbox"/> Super
State of Project:				
Reporting: Level	<input type="checkbox"/> Level	<input type="checkbox"/> PST/U	<input type="checkbox"/> TR	<input type="checkbox"/> L
Deliverables: EDD	<input checked="" type="checkbox"/>	Adapt	<input type="checkbox"/>	Other:

[illegible]

Xenoco 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 Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, 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>	8/17/23	4:42pm	<i>[Signature]</i>	8-18-23 1330





Chain of Custody

Work Order No: H234501

Page 2 of 5

Page 47 of 50

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	<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"/> PST/UT	<input type="checkbox"/> TRP
Deliverables:	EDD	ADAP	Other:

Project Name:	North Thistle 2 State #002H L3	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	237627	Due Date:																None: NO					
Project Location:	Lea Co., New Mexico																	Cool: Cool					
Sampler's Name:	Grant Gardner/Alex Gavia																	HCL: HC					
PO #:	21198816																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>					
SAMPLE RECEIPT		Temp Blank:	Yes	No	Well Ice:	Yes	No													H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:	Yes	No	Thermometer ID:	140													NaHSO <sub>4</sub> : NABIS						
Cooler Custody Seals:	Yes	No	Correction Factor:	3.82													Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>						
Sample Custody Seals:	Yes	No	Temperature Reading:														Zn Acetate+NaOH: Zn						
Total Containers:	43	Corrected Temperature:															NaOH+Ascorbic Acid: S-APC						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
V-2 (0-6")	8/16/2023	1:30 PM	X		Grab	1	X	X	X		
V-2 (6"-1')	8/16/2023	1:33 PM	X		Grab	1	X	X	X		
V-2 (1'-1.5')	8/16/2023	1:36 PM	X		Grab	1	X	X	X		
V-2 (1.5'-2')	8/16/2023	1:39 PM	X		Grab	1	X	X	X		
V-2 (2-2.5')	8/16/2023	1:42 PM	X		Grab	1	X	X	X		
V-2 (2.5'-3')	8/16/2023	1:45 PM	X		Grab	1	X	X	X		
V-2 (3-3.5')	8/16/2023	1:48 PM	X		Grab	1	X	X	X		
V-2 (3.5'-4')	8/16/2023	1:51 PM	X		Grab	1	X	X	X		
V-2 (4-4.5')	8/16/2023	1:54 PM	X		Grab	1	X	X	X		
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	4:00pm	<i>[Signature]</i>	8-18-23





Chain of Custody

Work Order No: H23456

Page 3 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@devon.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"/> Super	State of Project:
Reporting Level: <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> L	Deliverables: <input checked="" type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	North Thisle 2 State #002H L3	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	237627	Due Date:																None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico																	Cool: Cool MeOH: Me	
Sampler's Name:	Grant Gardner/Alex Gavia	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN	
PO #:	21198816																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																Zn Acetate+NaOH: Zn	
Total Containers:	43	Corrected Temperature:																NaOH+Ascorbic Acid: SAsPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500	HOLD	Sample Comments
V-3 (0-6")	8/16/2023	2:00 PM	X		Grab	1	X	X	X		
V-3 (6"-1')	8/16/2023	2:03 PM	X		Grab	1	X	X	X		
V-3 (1'-1.5')	8/16/2023	2:06 PM	X		Grab	1	X	X	X		
V-3 (1.5'-2')	8/16/2023	2:09 PM	X		Grab	1	X	X	X		
V-3 (2'-2.5')	8/16/2023	2:12 PM	X		Grab	1	X	X	X		
V-3 (2.5'-3')	8/16/2023	2:15 PM	X		Grab	1	X	X	X		
V-3 (3'-3.5')	8/16/2023	2:18 PM	X		Grab	1	X	X	X		
V-3 (3.5'-4')	8/16/2023	2:21 PM	X		Grab	1	X	X	X		
V-3 (4'-4.5')	8/16/2023	2:24 PM	X		Grab	1	X	X	X		
V-3 (4.5'-5')	8/16/2023	2:27 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	<i>Wm</i>	8/17/23			





Chain of Custody

Work Order No: H234501

Page 4 of 5

Page 49 of 50

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	Brownfield	R
State of Project:			
Reporting Level	<input type="checkbox"/> Level	<input type="checkbox"/> PST/UT	TR
Deliverables:	EDD	ADAP	Other:

Project Name:	North Thisle 2 State #002H L3	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes
Project Number:	237627	Due Date:														None: NO
Project Location:	Lea Co, New Mexico															DI Water: H <sub>2</sub> O
Sampler's Name:	Grant Gardner/Alex Gavia															Cool: Cool
PO #:	21198816															HCL: HCL
<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"/>											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														H <sub>3</sub> PO <sub>4</sub> : HP
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:														NaHSO <sub>4</sub> : NABIS
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
Total Containers:	43	Corrected Temperature:														Zn Acetate+NaOH: Zn
																NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										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:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Grant Gardner	<i>Wesley Mathews</i>	8/17/23			



## Chain of Custody

**Work Order No:**

H234501

Page 5 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:	<a href="mailto:Wesley.Mathews@dm.com">Wesley.Mathews@dm.com</a>

Work Order Comments			
Program:	UST/PS <input type="checkbox"/>	PR <input type="checkbox"/>	Brownfie <input type="checkbox"/> s
State of Project:		R <input type="checkbox"/>	Sup <input type="checkbox"/>
Reporting: level	<input type="checkbox"/>	Level <input type="checkbox"/>	PST/U <input type="checkbox"/>
Deliverables:	ED <input checked="" type="checkbox"/>	Adap <input type="checkbox"/>	Other: <input type="checkbox"/>

Project Name:		North Thirise 2 State #002H L3		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes			
Project Number:		237627		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush														None: NO		DI Water: H <sub>2</sub> O	
Project Location		Lea Co., New Mexico		Due Date:														Cool: Cool		MeOH: Me	
Sampler's Name:		Grant Gardner/Alex Gavia		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC		HNO <sub>3</sub> : HN	
PO #:		21138816																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
<b>SAMPLE RECEIPT</b>				Temp Blank:		Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		Wet Ice:		Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>								H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:						140								NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading:						3.82								Zn Acetate+NaOH: Zn			
Total Containers:		43		Corrected Temperature:														HOLD			

[illegible]

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>	8/17/03	4:00pm	<i>[Signature]</i>	
3			2		
4			4		
5			6		



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 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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 1 (0-6") (H234497-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 (0-6") (H234497-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2023	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 BTX	<0.300	0.300	08/23/2023	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	<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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	08/22/2023	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

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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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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 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  
 Reported: 08/24/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L4  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

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

---

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 11034497

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@dev.com

Work Order Comments			
Program:	UST/PS	PR	Brownie
State of Project:			
Reporting Level:	<input type="checkbox"/>	Level	<input type="checkbox"/>
Deliverables:	EDD	ADAP	Other:

Project Name:	North Thistle 2 State #002H L4	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			
Sample's Name:	Grant Gardner/Alex Gavia				
PO #:	21198816				
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	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:	-0.1		
Total Containers:	9	Corrected Temperature:			
Sample Identification	Date	Time	Soil	Water	Grab/Comp
V-1 (0-6")	8/17/2023	10:00	X		Grab
V-2 (0-6")	8/17/2023	10:03	X		Grab
V-3 (0-6")	8/17/2023	10:06	X		Grab
V-4 (0-6")	8/17/2023	10:09	X		Grab
V-5 (0-6")	8/17/2023	10:12	X		Grab
H-1 (surface)	8/17/2023	10:15	X		Grab
H-2 (surface)	8/17/2023	10:18	X		Grab
H-3 (surface)	8/17/2023	10:21	X		Grab
H-4 (surface)	8/17/2023	10:24	X		Grab
ANALYSIS REQUEST					
BTEX 8021B					
TPH 8015M ( GRO + DRO + MRO)					
Chloride 4500					
HOLD					
Preservative Codes					
None: NO DI Water: H <sub>2</sub> O					
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					
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					
Sample Comments					

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>	8-18-23 11:17			





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,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/18/2023	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	848	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



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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 2 (0-6") (H234503-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 4 (SURFACE) (H234503-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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		
Ethylbenzene*	0.056	0.050	08/24/2023	ND	2.30	115	2.00	2.44		
Total Xylenes*	0.393	0.150	08/24/2023	ND	6.81	113	6.00	0.975		
Total BTEX	0.449	0.300	08/24/2023	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	3320	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*	11.4	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



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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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/23/2023	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*	110	10.0	08/23/2023	ND	177	88.3	200	2.91	
EXT DRO >C28-C36	122	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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: V - 8 (SURFACE) (H234503-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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	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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	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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**Analytical Results For:**

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

Received: 08/18/2023  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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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\*=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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (SURFACE) (H234503-12)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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	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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\*=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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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

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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  
 Reported: 08/25/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 08/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (SURFACE) (H234503-14)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2023	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 BTX	<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	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

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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: 14534503

Page 1 of 2

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/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:	North Thistle 2 State #002H L5	Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:	237627	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	Grant Gardner/Alex Gavia	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN	
PO #:	21199816																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										HOLD	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:	14	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO)	Chloride 4500											Sample Comments
V-1 (0-6")	8/17/2023	2:00 PM	X		Grab	1	X	X	X											
V-2 (0-6")	8/17/2023	2:03 PM	X		Grab	1	X	X	X											
V-3 (surface)	8/17/2023	2:06 PM	X		Grab	1	X	X	X											
V-4 (surface)	8/17/2023	2:09 PM	X		Grab	1	X	X	X											
V-5 (0-6")	8/17/2023	2:12 PM	X		Grab	1	X	X	X											
V-6 (surface)	8/17/2023	2:15 PM	X		Grab	1	X	X	X											
V-7 (surface)	8/17/2023	2:18 PM	X		Grab	1	X	X	X											
V-8 (surface)	8/17/2023	2:21 PM	X		Grab	1	X	X	X											
V-9 (surface)	8/17/2023	2:24 PM	X		Grab	1	X	X	X											
V-10 (surface)	8/17/2023	2:27 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
	<u>Wanda</u>	<u>8/17/23</u>	<u>4:00 pm</u>	<u>Wanda</u>	<u>8-18-23 1330</u>
1. Grant Gardner			2		
3			4		
5			6		





## Chain of Custody

Work Order No: 17634502

Page 2 of 2

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/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: _____	

[illegible][illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. Grant Gardner	<i>[Signature]</i>	8/17/23	2. <i>[Signature]</i>	<i>[Signature]</i>	8-18-23 1330
3			4		
5			6		

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  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

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**Southern New Mexico Area**  
**Lynn Jarboe**  
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Office: 505-421-LABS(5227)  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**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 L1 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 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	Reported: 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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 12:59:30PM

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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 12:59:30PM

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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 12:59:30PM

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	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 12:59:30PM

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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported:  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	Reported:  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	Reported:  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	Reported:  9/8/2023 12:59:30PM
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	--------------------------------------

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							
LCS (2336050-BS1)				Prepared: 09/06/23 Analyzed: 09/06/23					
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2336050-MS1)				Source: E308243-01		Prepared: 09/06/23 Analyzed: 09/06/23			
Chloride	7460	200	250	9090	NR	80-120			M4
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

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.





Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	North Thistle 2 State #002H L1	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/08/23 12:59

- 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.








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:	<a href="mailto:Wesley.Matthews@dvn.com">Wesley.Matthews@dvn.com</a>

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

[illegible]

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	
1		2		3	8-31-23 11:15
3	Andrew Miso	4		5	9-1-23 5:45
5		6			

## 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:	esssums@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: CourierComments/Resolution

Time sampled not provided on COC per client. SRC Email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab:

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**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
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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	Reported: 09/08/23 12:20
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	-----------------------------

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

**Reported:**  
9/8/2023 12:20:39PM

## 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

**Reported:**  
9/8/2023 12:20:39PM

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

**Reported:**  
9/8/2023 12:20:39PM

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

**Reported:**  
9/8/2023 12:20:39PM

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

**Reported:**  
9/8/2023 12:20:39PM

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	Reported: 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	
Surrogate: 4-Bromochlorobenzene-PID	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	
Surrogate: 1-Chloro-4-fluorobenzene-FID	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	
Surrogate: n-Nonane	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	Reported: 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	
Surrogate: 4-Bromochlorobenzene-PID	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	
Surrogate: 1-Chloro-4-fluorobenzene-FID	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	
Surrogate: n-Nonane	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	Reported: 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	
Surrogate: 4-Bromochlorobenzene-PID	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	
Surrogate: 1-Chloro-4-fluorobenzene-FID	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	
Surrogate: n-Nonane	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	Reported: 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	Reported: 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

**Reported:**  
9/8/2023 12:20:39PM

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	Reported: 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	Reported:  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	Reported:  9/8/2023 12:20:39PM
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	--------------------------------------

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	Reported:  9/8/2023 12:20:39PM
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	--------------------------------------

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	Reported:  9/8/2023 12:20:39PM
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	--------------------------------------

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							
LCS (2335107-BS1)					Prepared: 09/01/23 Analyzed: 09/07/23				
Chloride	246	20.0	250		98.3	90-110			
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
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

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	North Thistle 2 State #002H L2	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/08/23 12:20

- 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.



Page 1 of 2

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:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>DN</i>	<i>Michelle Cuyler</i>	8-31-23 11:15	2 <i>Michelle Cuyler</i>	<i>Andrew Musso</i>	8-31-23 2:00
3 <i>Andrew Musso</i>	<i>Carth Man</i>	9/1/23 5:45	4		
5			6		





Work Order No: E308241  
Job # 01058-0007

Page 2 of 2

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"/>

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 DA	Michelle Cangelosi	8-31-23 11:15	Michelle Cangelosi	Andrea Messo	8-31-23 2:00
3 Andrea Messo	Carth Man	9/1/23 5:45			
5					



## 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:	esssums@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: CourierComments/Resolution

Time sampled not provided on COC per client. SRC email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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**Alexa Michaels**  
Sample Custody Officer  
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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 L4 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 09/08/23 10:47
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------	-----------------------------

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

**Reported:**  
9/8/2023 10:47:41AM

V-1 1-1.5'

E308242-01

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	
Surrogate: Bromofluorobenzene	105 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	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	
Surrogate: Bromofluorobenzene	105 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	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	
Surrogate: n-Nonane	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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		107 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		107 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		110 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		110 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Reported: 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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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

**Reported:**  
9/8/2023 10:47:41AM

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	
Surrogate: Bromofluorobenzene		107 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		107 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	Project Name:	North Thistle 2 State #002H L4	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/8/2023 10:47:41AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (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	Reported:  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	Reported:  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	Reported:  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							
LCS (2335108-BS1)					Prepared: 09/01/23 Analyzed: 09/07/23				
Chloride	254	20.0	250		101	90-110			
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			
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	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	North Thistle 2 State #002H L4	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/08/23 10:47

- 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.





Page 2 of 2

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

Additional Comments:

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1	<i>[Signature]</i>	<i>Michelle Gonzales</i>	<i>8-31-23 11:15</i>	2	<i>Michelle Gonzales</i>
3	<i>Andre m 860</i>	<i>Andre m 860</i>	<i>9/1/23 5:45</i>	4	<i>Andre m 860</i>
5				6	

## 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:	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: CourierComments/Resolution

Time sampled not provided on COC per client. SRC email not sent per client request.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? 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

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, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 1 (1') (H234879-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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

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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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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Celey D. Keene, Lab Director/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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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Celey D. Keene, Lab Director/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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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



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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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



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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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 3 (5') (H234879-15)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 4 (1') (H234879-16)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 4 (2') (H234879-17)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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	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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Celey D. Keene, Lab Director/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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 4 (3') (H234879-18)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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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\*=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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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Celey D. Keene, Lab Director/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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 5 (2') (H234879-22)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 09/08/2023  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 5 (4') (H234879-24)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 5 (5') (H234879-25)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 (1') (H234879-26)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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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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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 (2') (H234879-27)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 (5') (H234879-30)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/11/2023	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 BTX	<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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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Celey D. Keene, Lab Director/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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 09/13/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 09/07/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No: HQ34879

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:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley Mathews@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level 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:	North Thistle 2 State #002H L5	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	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															Cool: Cool	MeOH: Me
Sampler's Name:	Kellan Smith															HCL: HC	HNO <sub>3</sub> : HN
PO #:	21198816															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn	
Total Containers:	35	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC	

Sample Identification							Date	Time	Soil	Water	Grab/ Comp	# of Cont	TPH										Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
TP-1 (1')							9/7/2023		X		Grab	1	X	X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>9:23 1310</u>			





Chain of Custody

Work Order No: HA34879

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@devon.com

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

Project Name:	North Thistle 2 State #002H L5	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	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																Cool: Cool	MeOH: Me	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm															HCL: HCl	HNO <sub>3</sub> : HN	
PO #:	21198816																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:															NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:															Zn Acetate+NaOH: Zn		
Total Containers:	35	Corrected Temperature:															NaOH+Ascorbic Acid: SANC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													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. <u>[Signature]</u>	<u>[Signature]</u>	9/8/23 1310			
3					
5					





Chain of Custody

Work Order No: 11834879

Page 3 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/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:	North Thistle 2 State #002H L5	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237627	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea Co. NM	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN	
PO #	21198816	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:														H <sub>3</sub> PO <sub>4</sub> : HP	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:														NaHSO <sub>4</sub> : NABIS			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Total Containers:	35	Corrected Temperature:														Zn Acetate+NaOH: Zn			
																NaOH+Ascorbic Acid: SARC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
TP-5 (1')	9/7/2023		X		Grab	1	X	X	X								21		
TP-5 (2')	9/7/2023		X		Grab	1	X	X	X								22		
TP-5 (3')	9/7/2023		X		Grab	1	X	X	X								23		
TP-5 (4')	9/7/2023		X		Grab	1	X	X	X								24		
TP-5 (5')	9/7/2023		X		Grab	1	X	X	X								25		
TP-6 (1')	9/7/2023		X		Grab	1	X	X	X								26		
TP-6 (2')	9/7/2023		X		Grab	1	X	X	X								27		
TP-6 (3')	9/7/2023		X		Grab	1	X	X	X								28		
TP-6 (4')	9/7/2023		X		Grab	1	X	X	X								29		
TP-6 (5')	9/7/2023		X		Grab	1	X	X	X								30		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	9-8-23 1310			





## Chain of Custody

Work Order No.

10: H234879

Page 4 of 4

Page 41 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	Address	6488 Seven Rivers Highway
City, State ZIP	Carlsbad NM, 88220	City, State ZIP	Artesia, NM 88210
Phone	254-266-5456	Email	Wesley.Mathews@dvn.com

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

[illegible]



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,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 1 7' (H235835-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	10/26/2023	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

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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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



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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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 5 7' (H235835-05)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 7 7' (H235835-07)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.7 % 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: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L3  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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Celey D. Keene, Lab Director/Quality Manager



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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No:

10235835

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	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com

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

Project Name:	North Thistle 2 State #002H (13)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	237627	Due Date:	48hrs														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															Cool: Cool	MeOH: Me		
Sampler's Name:	Dmitry Nikanorov	Corrected Temperature:															HCL: HC	HNO <sub>3</sub> : HN		
PO #	2138816	Corrected Temperature:															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 In tact:	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>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes No N/A	Temperature Reading:																Zn Acetate+NaOH: Zn		
Total Containers:																		NaOH+Ascorbic Acid: SAPC		
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments
CS1	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS2	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS3	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS4	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS5	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS6	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS7	7'	10/24/2023		X		Comp	1	X	X	X	X									
CS8	7'	10/24/2023		X		Comp	1	X	X	X	X									
SW1	0-7'	10/24/2023		X		Comp	1	X	X	X	X									
SW2	0-7'	10/24/2023		X		Comp	1	X	X	X	X									

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			





## Chain of Custody

Work Order No: 14235835

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	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"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting Level I <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RR <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:				

[illegible]

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>	04/23/15			

Revised Date 05/01/2020 Rev. 2020



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,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 1 1' (H235834-01)**

BTX 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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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



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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 10 1' (H235834-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 11 1' (H235834-11)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	10/26/2023	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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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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	10/26/2023	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 14 1' (H235834-14)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 15 1' (H235834-15)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 18 1' (H235834-18)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 19 1' (H235834-19)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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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\*=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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 21 1' (H235834-21)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 22 1' (H235834-22)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 23 1' (H235834-23)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/25/2023	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 25 1' (H235834-25)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 26 1' (H235834-26)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 27 1' (H235834-27)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 30 1' (H235834-30)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 31 2' (H235834-31)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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
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 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 33 5' (H235834-33)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 34 5' (H235834-34)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS 35 5' (H235834-35)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 1 0-1' (H235834-36)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 2 0-2' (H235834-37)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 3 0-1' (H235834-38)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	944	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 4 0-1' (H235834-39)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 5 0-1' (H235834-40)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 7 0-1' (H235834-42)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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**Analytical Results For:**

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

Received: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 8 0-2' (H235834-43)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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Celey D. Keene, Lab Director/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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 9 0-2' (H235834-44)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500CI-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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\*=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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 11 1-5' (H235834-46)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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
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 80.8 % 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: 10/24/2023  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 12 1-5' (H235834-47)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 10/26/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 10/24/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 13 1-5' (H235834-48)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





Chain of Custody

Work Order No:

4335834

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	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com

Work Order Comments	
Program: UST/PSR <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:	

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			
Sample's Name:	Dmitry Nikanorov				
PO #:	21198816				
SAMPLE RECEIPT					
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water
CS1	1'	10/24/2023		X	Comp
CS2	1'	10/24/2023		X	Comp
CS3	1'	10/24/2023		X	Comp
CS4	1'	10/24/2023		X	Comp
CS5	1'	10/24/2023		X	Comp
CS6	1'	10/24/2023		X	Comp
CS7	1'	10/24/2023		X	Comp
CS8	1'	10/24/2023		X	Comp
CS9	1'	10/24/2023		X	Comp
CS10	1'	10/24/2023		X	Comp
Parameters					
BTEX 8021B					
TPH 8015M ( GRO + DRO + MRO)					
Chloride 4500					
ANALYSIS REQUEST					
PRESERVATIVE CODES					
None: NO					
Cool: Cool					
HCL: HC					
H2SO4: H2					
H3PO4: HP					
NaHSO4: NABIS					
Na2S2O8: NaSO3					
Zn Acetate+NaOH: Zn					
NaOH+Ascorbic Acid: SAPC					
Sample Comments					

Additional Comments:

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





Chain of Custody

Work Order No: H235834

Page 2 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:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
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:	

Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48hrs	Parameters	
Project Number:	237627					Pres. Code	
Project Location:	Lea Co, NM					BTEX 8021B	
Sample's Name:	Dmitry Nikanorov					TPH 8015M ( GRO + DRO + MRO)	
PO #:	21198816					Chloride 4500	
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	HOLD	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:					
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:					
Total Containers:		Corrected Temperature:					
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS11	1'	10/24/2023		X		Comp	1
CS12	1'	10/24/2023		X		Comp	1
CS13	1'	10/24/2023		X		Comp	1
CS14	1'	10/24/2023		X		Comp	1
CS15	1'	10/24/2023		X		Comp	1
CS16	1'	10/24/2023		X		Comp	1
CS17	1'	10/24/2023		X		Comp	1
CS18	1'	10/24/2023		X		Comp	1
CS19	1'	10/24/2023		X		Comp	1
CS20	1'	10/24/2023		X		Comp	1

Additional Comments:

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<u>[Signature]</u>	<u>[Signature]</u>	<u>10:43:55</u>			





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	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund
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
Deliverables: EDO	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	237627	Due Date:	48hrs														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																			
Sample's Name:	Dmitry Nikanorov																			COOL: Cool	Meth: Me
PO #:	21198816	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													HCL: HC	HNO <sub>3</sub> : HN		
SAMPLE RECEIPT		Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	140													H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
		Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:														H <sub>3</sub> PO <sub>4</sub> : HP			
		Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	3.42													NaHSO <sub>4</sub> : NABIS			
		Total Containers:		Corrected Temperature:														Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>			
																		Zn Acetate+NaOH: Zn			
																		NaOH+Ascorbic Acid: SABC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS21	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS22	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS23	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS24	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS25	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS26	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS27	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS28	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS29	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				
CS30	1'	10/24/2023		X		Comp	1	X	X	X	X	X	X	X	X	X	X				

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	10-24-23 1515			





Chain of Custody

Work Order No:

H235834

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:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRR <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"/> PRR <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDO <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	North Thistle 2 State #002H (L5)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48hrs	Parameters		ANALYSIS REQUEST		Preservative Codes		
Project Number:	237627											
Project Location:	Lea Co, NM											
Sampler's Name:	Dmitry Nikanorov											
PO #:	21198816											
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:										
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:										
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:										
Total Containers:		Corrected Temperature:										
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont					
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:

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
PH	Specimen	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:	esessums@ntgobal.com

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				
PO #:	21198816				

Total Containers:																				Sample Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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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 \$35.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	10/24/23 15:15			



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Ethan Sessums  
NT Global

701 Tradewinds Blvd  
Midland, Texas 79706

Generated 11/8/2023 10:33:30 AM

## 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



Generated  
11/8/2023 10:33:30 AM

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

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

Job ID: 890-5566-1 (Continued)

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

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 -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
Diesel Range Organics (Over C10-C28)	70.0		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

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	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

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 01:30	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
Oil 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

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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 -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  
Date Collected: 11/02/23 00:00  
Date Received: 11/03/23 13:50  
Sample Depth: 8'

Lab Sample ID: 890-5566-9  
Matrix: Solid

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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+
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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+
<b>Surrogate Legend</b>			
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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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	MB %Recovery	MB 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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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	MB %Recovery	MB 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
Benzene	0.100	0.1051		mg/Kg		105	70 - 130
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	LCS %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			
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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
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			
Benzene	<0.00199	U	0.0996	0.09646		mg/Kg		97	70 - 130			
Toluene	<0.00199	U	0.0996	0.07486		mg/Kg		75	70 - 130			
Ethylbenzene	<0.00199	U	0.0996	0.07053		mg/Kg		71	70 - 130			
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1634		mg/Kg		82	70 - 130			
o-Xylene	<0.00199	U	0.0996	0.08304		mg/Kg		83	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
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			
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

Surrogate	MSD		Limits
	%Recovery	Qualifier	
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		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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	941.4		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	897.6		mg/Kg		90	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
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	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	918.4		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	850.0		mg/Kg		85	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
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 %Recovery	MS Qualifier	Limits								
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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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 %Recovery	MSD 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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
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 Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
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 %Recovery	LCS 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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
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

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
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	%Recovery	Qualifier	Limits							
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

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
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	%Recovery	Qualifier	Limits									
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

	MB	MB								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
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

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
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	

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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

## 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



## 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

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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: 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  
Date Collected: 11/02/23 00:00  
Date Received: 11/03/23 13:50

Lab Sample ID: 890-5566-7  
Matrix: Solid

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  
Date Collected: 11/02/23 00:00  
Date Received: 11/03/23 13:50

Lab Sample ID: 890-5566-8  
Matrix: Solid

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  
Date Collected: 11/02/23 00:00  
Date Received: 11/03/23 13:50

Lab Sample ID: 890-5566-9  
Matrix: Solid

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

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'







Chain of Custody

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Work Order No: \_\_\_\_\_

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	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntgglobal.com

Work Order Comments	
Program: <input type="checkbox"/> PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperfund	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRP <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 - L3	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	48hrs											
Project Number:	237627	TAT starts the day received by the lab, if received by 4:30pm														
Project Location:	Eddy Co. NM															
Sampler's Name:	Clayton Tumas															
PO #	21198816															
<b>SAMPLE RECEIPT</b>																
Received In tact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wet Ice:	Yes No											
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	TUM007													
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.8													
Total Containers:	9	Temperature Reading:	8.8													
		Corrected Temperature:	8.0													
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters								
SW-1	0-8ft	11/2/2023		X		Comp	1	X	X	X	X	BTEX 8021B				
CS-1	8ft	11/2/2023		X		Comp	1	X	X	X	X	TPH 8015M ( GRO + DRO + MRO)				
CS-2	8ft	11/2/2023		X		Comp	1	X	X	X	X	Chloride 4500				
CS-3	8ft	11/2/2023		X		Comp	1	X	X	X	X					
CS-4	8ft	11/2/2023		X		Comp	1	X	X	X	X					
CS-5	8ft	11/2/2023		X		Comp	1	X	X	X	X					
CS-6	8ft	11/2/2023		X		Comp	1	X	X	X	X					
CS-7	8ft	11/2/2023		X		Comp	1	X	X	X	X					
CS-8	8ft	11/2/2023		X		Comp	1	X	X	X	X					



890-5566 Chain of Custody

HOLD

- None: NO
- DI Water: H<sub>2</sub>O
- 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
- H<sub>3</sub>PO<sub>4</sub>: HP
- NaHSO<sub>4</sub>: NABIS
- Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub>: NaSO<sub>4</sub>
- Zn Acetate+NaOH: Zn
- NaOH+Ascorbic Acid: SAPC

Sample Comments

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
3	4	11/3	2	1330	4
5	6				6

## 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	

## 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	



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

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, with the first name "Mike" and last name "Snyder" clearly distinguishable.

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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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\*=Accredited Analyte

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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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





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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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\*=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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	11/03/2023	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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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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



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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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



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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 25 2 FT (H236031-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 28 2 FT (H236031-14)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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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**Analytical Results For:**

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

Received: 11/02/2023  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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\*=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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	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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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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 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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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 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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW 17 (1-2') (H236031-20)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 BTX	<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	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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/03/2023	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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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  
 Reported: 11/03/2023  
 Project Name: NORTH THISTLE 2 STATE #002H L5  
 Project Number: 237627  
 Project Location: DEVON - LEA CO., NEW MEXICO

Sampling Date: 11/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**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, 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	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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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



## Chain of Custody

Work Order No: HA30031

Page 1 of 2

Page 26 of 28



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:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> growfields <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 Thristle 2 State #002H-L5		Turn Around		ANALYSIS REQUEST													Preservative Codes									
Project Number:		237627		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															None: NO DI Water: H <sub>2</sub> O									
Project Location				Due Date:		24hrs															Cool: Cool MeOH: Me							
Sampler's Name:		Eddy Co. NW Leadoff		TAT starts the day received by the lab, if received by 4:30pm															HCL HC HNO <sub>3</sub> : HN									
PO #		21198816															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na											
SAMPLE RECEIPT				Temp Blank:		Yes No		Wet Ice:		Yes No																		
Received Intact:				Yes No		Thermometer ID:		LEO																				
Cooler Custody Seals:				Yes No		N/A		Correction Factor:																				
Sample Custody Seals:				Yes No		N/A		Temperature Reading:		0.91																		
Total Containers:				15		Corrected Temperature:																						
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/ Comp		# of Cont		Parameters												
SW-3 A		0-1ft		11/2/2023				X				Comp		1		BTEX 8021B												
SW-4 A		0-1ft		11/2/2023				X				Comp		1		TPH 8015M ( GRO + DRO + MRO)												
SW-6 A		0-1ft		11/2/2023				X				Comp		1		Chloride 4500												
SW-10 A		2-5ft		11/2/2023				X				Comp		1														
SW-12 A		2-5ft		11/2/2023				X				Comp		1														
CS-2		2ft		11/2/2023				X				Comp		1														
CS-3		2ft		11/2/2023				X				Comp		1														
CS-4		2ft		11/2/2023				X				Comp		1														
CS-8		2ft		11/2/2023				X				Comp		1														
CS-13		2ft		11/2/2023				X				Comp		1														
																	Sample Comments											

Additional Comments:

**Notice:** Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$95.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, 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
		11-2-23 14:59			

Revised Date 05/01/2020 Rev. 2020





Work Order No: 19340031



Page 2 of 2

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:	

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$68.00 will be applied to each project and a charge of \$3 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
		11-2-03 1459			





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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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

Prerequisites	
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
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**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	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, Page 3

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****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
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	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@dmn.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**

<b>Deferral Requests Only</b>	
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	303550
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/02/2023
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1116

**Remediation Closure Request**

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6583
What was the total volume (cubic yards) remediated	404
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	1116
What was the total volume (in cubic yards) reclaimed	331
Summarize any additional remediation activities not included by answers (above)	dig and haul

*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

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

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CONDITIONS  
  
Action 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