

Incident ID	nAPP2201362323
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>&gt;101</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 checked="" type="checkbox"/> Yes <input 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.

## Oil Conservation Division

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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: Environmental Professional

Signature: Dale Woodall Date: 10/30/2023

Email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

Received by: Shelly Wells Date: 11/16/2023

Incident ID	nAPP2201362323
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## 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.

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Printed Name: Dale Woodall Title: Environmental Professional  
Signature: Dale Woodall Date: 10/30/2023  
email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

Received by: Shelly Wells Date: 11/16/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

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## 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: Environmental Professional

Signature: Dale Woodall

Date: 10/30/2023

email: dale.woodall@dv.com

Telephone: 405-318-4697

### **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: \_\_\_\_\_





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

November 15, 2023

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

**Re: Closure and Deferral Request Report  
Thistle Unit 44H CTB  
Devon Energy Production Company  
Site Location: Unit N, S33, T23S, R33E  
Lea County, New Mexico  
Incident ID: nAPP2314547818 & nAPP2201362323**

Mr. Bratcher:

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

### **Background**

Based on the initial C-141 (Incident ID: nAPP2201362323) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on December 30, 2021. The release was a result of equipment failure which resulted in the release of approximately 16.58 barrels (bbls) of produced water of which 2 bbls were recovered for a net loss of 14.58 bbls. Upon discovery, the well was shut-in, and the area was secured. The release is shown on Figure 3. The initial C-141 form is attached.

Based on the initial C-141 (Incident ID: nAPP2314547818) obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on May 5<sup>th</sup>, 2023. The release was a result of a human error at the Thistle 46H CTB 1 producing well site causing the overspray of the crude oil on and off the pad. That resulted in the release of approximately 4.4 barrels (bbls) of crude oil of which none were recovered for a net loss of 4.4 bbls. Upon discovery, the well was shut-in, and the area was secured. The release is shown on Figure 4. The initial C-141 form is attached.

### **Site Characterization**

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

Mr. Mike Bratcher  
November 15, 2023  
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### **Regulatory Criteria**

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

#### ***General Site Characterization and Groundwater:***

Site Characterization	Average Groundwater Depth (ft)
Low Karst	>101

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

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

### **Site Assessment**

On November 11<sup>th</sup>, 2022, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site for incident nAPP2201362323. A total of nine (9) vertical sample points (S-1 through S-9) and eight (8) horizontal sample points (H-1 through H-8) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0 – 5.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8260B, total petroleum hydrocarbon (TPH) by method 8015B Modified, and chloride by EPA 4500 Cl-B by Cardinal Laboratories in Hobbs, New Mexico. The analytical results indicated that chloride and/or TPH concentrations exceeded the NMOCD regulatory limits in the areas of S-1 through S-9 at various depths in the range from 0 ft bgs to 4.5 ft bgs. Analytical results are included in Table 1 and sampling locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the back of the report.

On June 9<sup>th</sup>, 2023, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site for the incident nAPP2314547818. A total of two (2) vertical sample points (V-1 and V-2) and four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5 to 1 ft depth intervals from depths ranging from 0 – 3.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination.

Mr. Mike Bratcher  
November 15, 2023  
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The samples were analyzed BTEX by EPA method 8260B, TPH by method 8015B Modified, and chloride by EPA 4500 Cl-B by Cardinal Laboratories in Hobbs, New Mexico. The analytical results indicated that chloride and/or TPH concentrations exceeded the NMOCD regulatory limits in the areas of V-1 and V-2 at various depths in the range from 0 ft bgs to 1.5 ft bgs. Analytical results are included in Table 2 and sampling locations are shown in Figure 4. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the back of the report.

### **Remedial Action Activities and Confirmation Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. It is important to note that the impacts from each incident commingled and were addressed in a single excavation. The release areas of S-1 through S-9 were excavated to 5 ft bgs based on the delineation samples results shown in Table 1. The release areas of V-1 and V-2 were excavated to 2.5 ft bgs. Additional impacted areas caused by both releases nAPP2314547818 and nAPP2201362323 were excavated based on the information provided by Devon after the initial assessment was completed by a different environmental consultant (Wescom). The associated proposed excavation map is attached to the Figures. The complete excavation map overview is shown in Figure 5.

From July 19<sup>th</sup>, 2023, to August 30<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 reports containing analytical methods and chain-of-custody documents are attached. Initial confirmation samples were collected on July 19<sup>th</sup>, 2023. Laboratory analytical results indicate that multiple confirmation samples were above NMOCD regulatory criterion from Table I, Closure Criteria.

Devon continued expanding the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils are removed. Final confirmation samples collected on August 30<sup>th</sup>, 2023 indicate that impacted soils were removed from all impacted areas except the areas of SW-26 through SW-39. All other confirmation samples were below NMOCD regulatory criterion for the site. Areas of SW-26 through SW-39 are in a close proximity to the facility infrastructure and cannot be expanded any further according to the Devon personnel.

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

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

### **Deferral Request**

Devon personnel have expressed that the excavation areas SW-26 through SW-39 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., pumpjack, wellhead and adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is visible on Figure 3.

Mr. Mike Bratcher  
November 15, 2023  
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On behalf of Devon, NTGE formally requests a deferral for both incidents nAPP2314547818 and nAPP2201362323 to address the remaining soil impacts (SW-26 through SW-39) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date. The release notification, site assessment/characterization, remediation plan, and closure/deferral portion of form C-141 are attached to the front of this report.

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

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager



Dmitry Nikanorov  
Project Scientist

Attachments:

Initial And Final C-141  
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 Department  
  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	
District RP	
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Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>Kendra Ruiz</u>	Date: _____
email: _____	Telephone: _____
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/08/2023</u>

Spill Volume(Bbls) Calculator	
Inputs in blue, Outputs in red	
Contaminated Soil measurement	
Area (Ft <sup>2</sup> )	Depth (in)
<u>0</u>	<u>0.000</u>
Cubic Feet of Soil Impacted	<u>0.000</u>
Barrels of Soil Impacted	<u>0.00</u>
Soil Type	Clay
Barrels of Oil Assuming 100% Saturation	<u>0.00</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.0000
Free Standing Fluid Only	
Area (Ft <sup>2</sup> )	Depth (inches)
<u>20000</u>	<u>0.015</u>
Standing fluid	<b>4.453</b>
<b>Total fluids spilled on surface soils</b>	<b>4.453</b>



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

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

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

CONDITIONS

Action 225370

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 225370
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	6/8/2023

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## Site Assessment/Characterization

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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

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- ☒ Laboratory data including chain of custody

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State of New Mexico  
Oil Conservation Division

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

Signature: Dale Woodall Date: \_\_\_10/25/23\_\_\_\_\_

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

**OCD Only**

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

Incident ID	nAPP2314547818
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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- ☐ 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: Dale Woodall Title: Env. Professional  
Signature: Dale Woodall Date: 10-25-2023  
email: dale.woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

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

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

Incident ID	nAPP2314547818
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

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

Signature: Dale Woodall \_\_\_\_\_ Date: \_\_\_\_\_ 10/25/23 \_\_\_\_\_

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: \_\_\_\_\_

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 Department

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	nAPP2201362323
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone
Contact email Dale.Woodall@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

### Location of Release Source

Latitude 32.255093 Longitude -103.579319  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Thistle Unit 44H CTB	Site Type Oil
Date Release Discovered 12/30/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	33	23S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16.58 BBLS	Volume Recovered (bbls) 2 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Fluid released from separator.

Incident ID	nAPP2201362323
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: <b>Spill was not in containment.</b>	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <b>Kendra DeHoyos</b>	Title: <b>EHS Associate</b>
Signature: <u>Kendra DeHoyos</u>	Date: <u>1/13/2022</u>
email: <b>Kendra.Ruiz@dvn.com</b>	Telephone: <b>575-748-0167</b>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>1/14/2022</u>



Incident ID	nAPP2201362323
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>&gt;101</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 checked="" type="checkbox"/> Yes <input 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

Page 4

Incident ID	nAPP2201362323
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: Environmental Professional

Signature: Dale Woodall Date: 10/30/2023

Email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

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

Incident ID	nAPP2201362323
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.
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Printed Name: Dale Woodall Title: Environmental Professional  
Signature: Dale Woodall Date: 10/30/2023  
email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

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

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

Incident ID	nAPP2201362323
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: 10/30/2023

email: dale.woodall@dvn.com

Telephone: 405-318-4697

### 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: \_\_\_\_\_

## **SITE CHARACTERIZATION INFORMATION**

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## NMOCD Closure Criteria

Thistle 44H CTB

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater ( ft bgs)	>101	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	N/A	National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	>2680	National Wetlands Inventory (NWS)

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

\* - numerical limit or background, whichever is greater

# OSE POD Locations Map



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

GIS WATERS PODs

● Active

OSE District Boundary

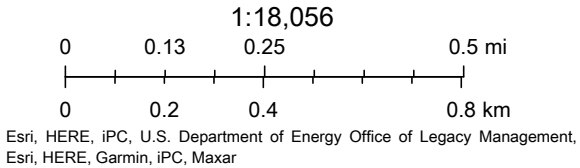
Water Right Regulations

Closure Area

New Mexico State Trust Lands

Both Estates

SiteBoundaries







# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

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

FOR OSE INTERNAL USE

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

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

4. HYDROGEOLOGIC LOG OF WELL.	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, fine-grained, poorly graded with caliche, Tan	Y ✓ N	
	9	50	41	Sand, fine-grained, poorly graded, cemented layers, Tan	Y ✓ N	
	50	65	15	Sand, very fine-grained, poorly graded, Tan / Brown	Y ✓ N	
	65	101	36	Clay, Stiff, consolidated, with fine silt, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 41 Thistle Unit #043 <div style="text-align: right;">052/11/2023 10:33</div>
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	4/26/23
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE

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

FILE NO. C-4707	POD NO. 1	TRN NO. 742696
LOCATION 235.336.33.4 33	WELL TAG ID NO. M7	PAGE 2 OF 2

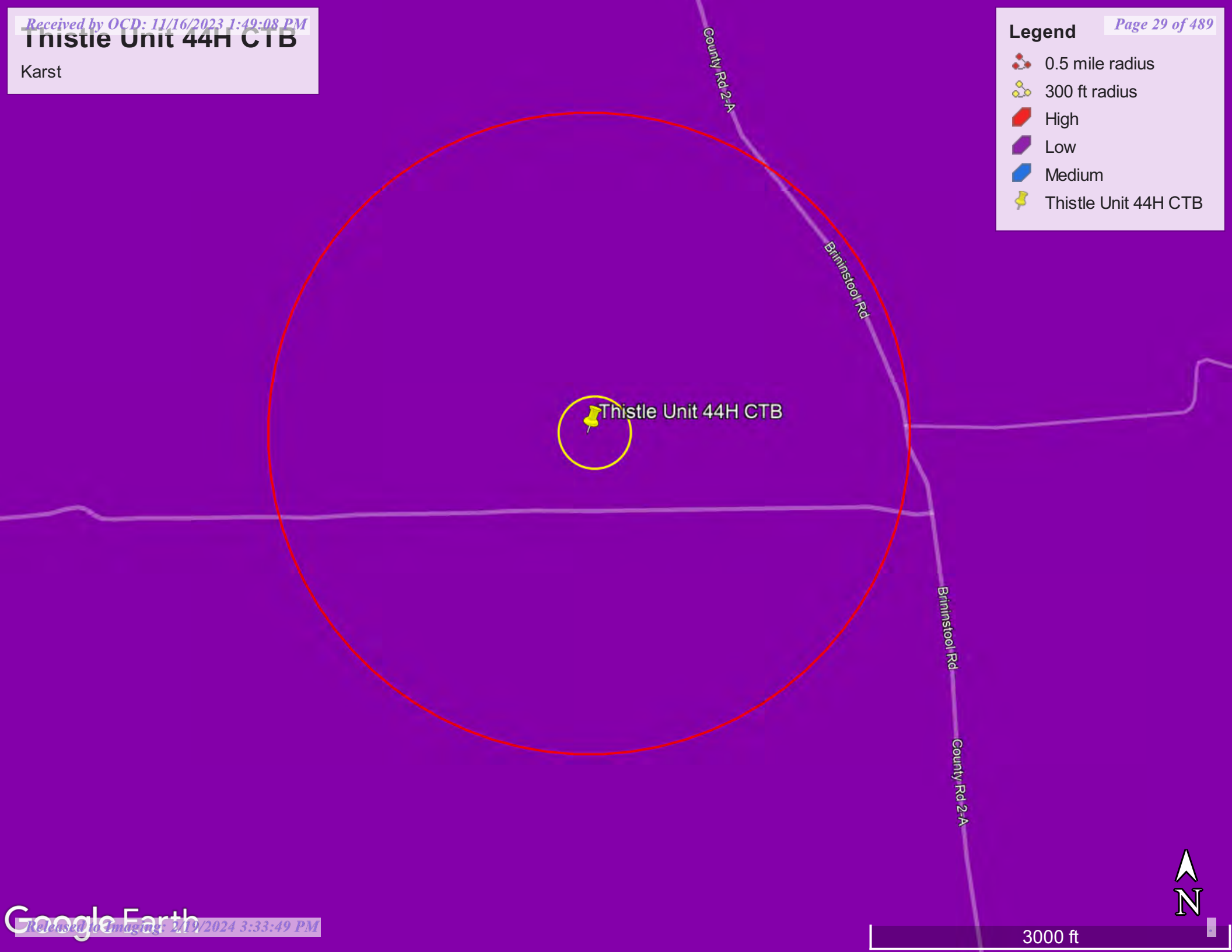


# Thistle Unit 44H CTB

Karst

## Legend




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

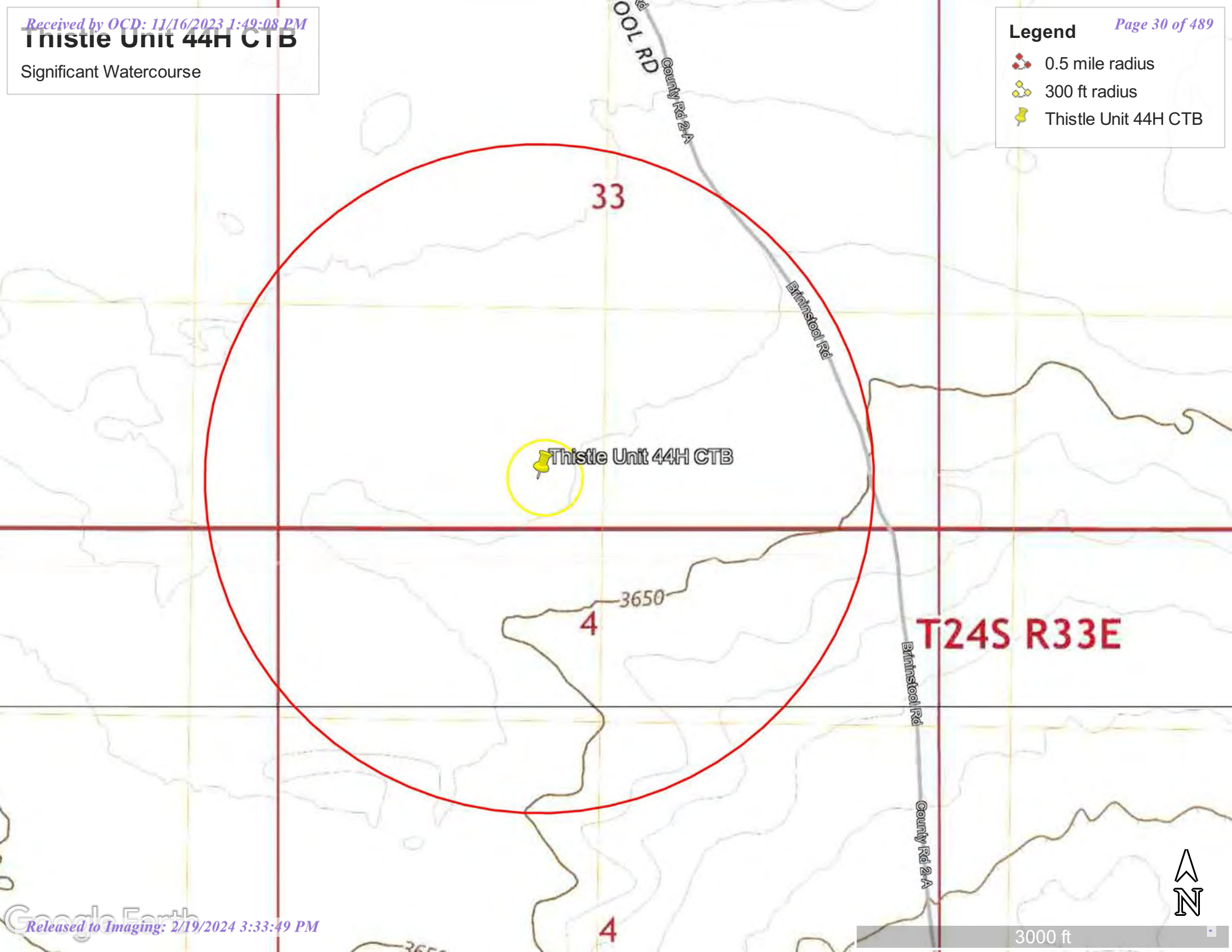


# Thistle Unit 44H CTB

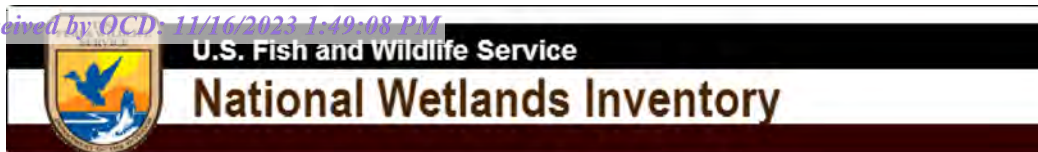
Significant Watercourse

## Legend

-  0.5 mile radius
-  300 ft radius
-  Thistle Unit 44H CTB







## Thistle unit 44H CTB



July 24, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

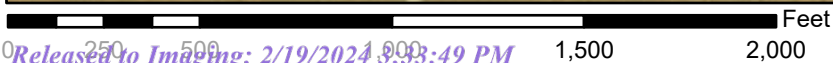
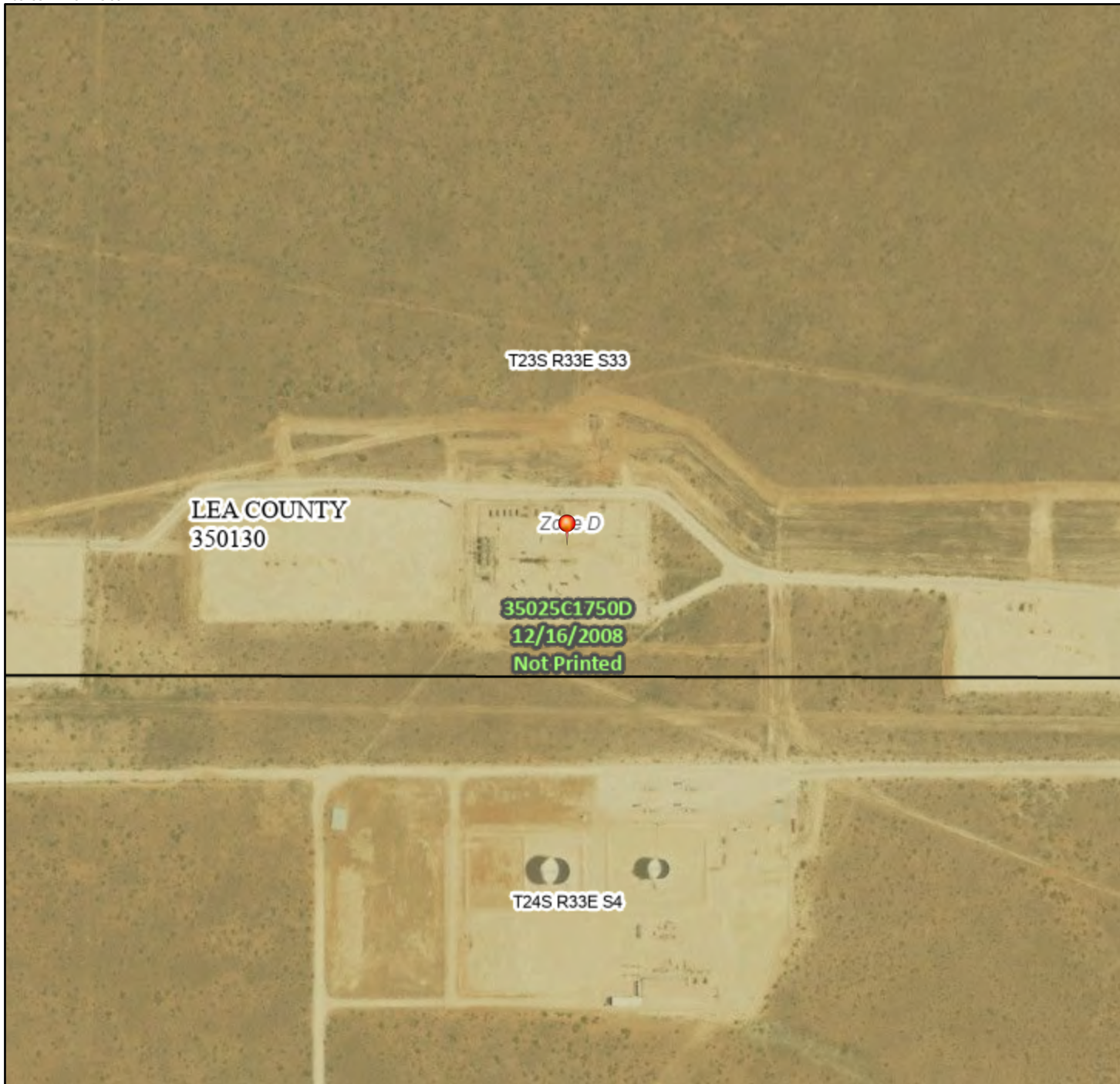
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



103°35'4"W 32°15'33"N



1:6,000

103°34'26"W 32°15'3"N

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/24/2023 at 1:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



## National Water Information System: Mapper





# Thistle Unit 44H CTB

Distance to well

## Legend

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

USGS 700FT 1976

Thistle Unit 44H CTB

OSE 040707 Pod



## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**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-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg
Delineation Samples													
S-1	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2240	2240	858	3098	4720
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1280
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1200
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2160
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2400
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1600
S-2	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3500
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2000
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1200
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1040
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3040
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3280
S-3	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1280
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3120
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4320
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4560
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6560
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5760
S-4	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	83.1	5980	6063.1	1030	7093.1	512
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.3	21.3	<10.0	21.3	192
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.9	13.9	<10.0	13.9	128
S-5	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5120
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2480
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
S-6	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1460
	11/11/2022	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
S-7	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	14.7	<10.0	14.7	784
	11/11/2022	1-1.5"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
S-8	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3600



**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**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-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC													
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg
S-8	11/11/2022	1-1.5"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4400
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1140
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	864
	11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
S-9	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3600
	11/11/2022	1-1.5"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4720
	11/11/2022	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3120
	11/11/2022	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
	11/11/2022	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1710
11/11/2022	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768	
H-1	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
H-2	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
H-3	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-4	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
H-5	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
H-6	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
H-7	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
H-8	11/11/2022	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
Deferral Samples													
V-1	9/28/2023	0-0.5'	2.58	17.8	5.63	37.1	63.1	999	6480	7479	1510	8989	160
	9/28/2023	1-1.5'	4.33	53	18.7	80.8	157	1640	3760	5400	764	6164	320
	9/28/2023	2-2.5'	1.65	21.9	9.06	41	73.6	658	1720	2378	347	2725	320
	9/28/2023	3-3.5'	4.34	39.3	15.5	73.6	133	1330	2930	4260	45	4305	80
	9/28/2023	4-4.5'	0.877	12.4	7.64	41.2	62.1	1250	3240	4490	521	5011	48
	11/10/2023	5-5.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	11/10/2023	6-6.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	11/10/2023	7-7.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
V-2	9/28/2023	8-8.5'	<0.025	<0.025	<0.025	<0.025	<0.025	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
	9/28/2023	0-0.5'	<0.050	0.064	<0.050	<0.150	0.064	<10.0	77.6	77.6	11.3	88.9	272
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.3	25.3	<10.0	25.3	64
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
V-3	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
	9/28/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1290	1290	326	1616	512
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	920	920	241	1161	688
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.9	42.9	<10.0	42.9	2800
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.3	13.3	<10.0	13.3	672
V-4	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3320
	9/28/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	18.8	<10.0	18.8	304
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1230
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1840
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1060
	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1550

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Devon Energy Production Company**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6- C-10)	DRO (C10- C28)	GRO + DRO	MRO (C28- C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg
V-5	9/28/2023	0-0.5'	<0.050	1.31	3.27	16.7	21.3	452	4740	5192	801	5993	2120
	9/28/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	146	146	22.2	168.2	528
	9/28/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
	9/28/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
V-5	9/28/2023	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256

## Notes:

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  
Summary of Soil Analytical Data - Initial Assessment Samples  
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)	(mg/kg)	GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)		Total GRO/DRO/MRO
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg	
Confirmation Samples														
V-1	6/7/2023	0-1'	9.17	155	64.3	252	480	3860	8820	12680	1320	14000	1220	
	6/7/2023	1-1.5'	0.623	14.1	9.27	40.2	64.2	607	4030	4637	689	5326	1520	
	6/7/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.4	38.4	12.0	50.4	448	
	6/7/2023	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
V-2	6/7/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	627	627	125	752	10000	
	6/7/2023	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.7	75.7	52.3	128	960	
	6/7/2023	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
Horizontal Deliniation														
H-1	6/7/2023	surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
H-2	6/7/2023	surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352	
H-3	6/7/2023	surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
H-4	6/7/2023	surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320	

## Notes:

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

~~SP-1~~

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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

9. --- Not Analyzed

Table 3  
Summary of Soil Analytical Data - Confirmation Samples  
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	MRO (C28- C35)	Total GRO/DRO/MRO	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg
Confirmation Base Samples													
CS-1	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2090	2090	497	2587	240
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.5	34.5	<10.0	34.5	160
CS-2	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	926	926	170	1096	400
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2000
CS-3	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	379	379	73	452	112
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-4	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2140	2140	599	2739	704
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-5	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	422	422	64	486	144
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-6	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	247	247	47.7	294.7	128
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-7	7/19/2023	2.5'	<0.050	0.170	0.146	0.989	1.21	23.2	1350	1383.2	252	1635.2	48.0
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-8	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	329	329	108	437	80.0
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-9	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	290	290	59.2	349.2	48.0
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-10	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-11	7/19/2023	2.5'	<0.050	0.310	0.374	2.95	3.64	66.9	3580	790	4370	5160	256
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-12	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.3	13.3	<10.0	13.3	128
CS-13	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	166	166	39.6	205.6	1020
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-14	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	915	915	183	1098	864
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1600
CS-15	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	473	473	83.5	556.5	1880
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-16	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.8	29.8	<10.0	29.8	96.0
CS-17	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	436	436	80.9	516.9	1420
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1140
CS-18	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1750	1750	401	2151	1660
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-19	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-20	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.0	19.0	<10.0	19.0	864
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-21	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	129	129	18.5	147.5	816
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-22	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	638	638	163	801	3040
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-23	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	912	912	226	1138	2720
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1100
CS-24	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832

Table 3  
Summary of Soil Analytical Data - Confirmation Samples  
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	MRO (C28- C35)	Total GRO/DRO/MRO		
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg		20000 mg/kg
CS-24	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3800	
CS-25	<del>7/19/2023</del>	<del>2.5'</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>2890</del>	<del>2890</del>	<del>768</del>	<del>3658</del>	<del>960</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1070	
CS-26	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
CS-27	<del>7/19/2023</del>	<del>2.5'</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>628</del>	<del>628</del>	<del>142</del>	<del>770</del>	<del>64.0</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
CS-28	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.9	44.9	<10.0	44.9	224	
CS-29	<del>7/19/2023</del>	<del>2.5'</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>16.9</del>	<del>16.9</del>	<del>&lt;10.0</del>	<del>16.9</del>	<del>1800</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
CS-30	<del>7/19/2023</del>	<del>2.5'</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>12.4</del>	<del>12.4</del>	<del>&lt;10.0</del>	<del>12.4</del>	<del>5200</del>	
	8/4/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	174	
CS-31	<del>7/19/2023</del>	<del>2.5'</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>25.5</del>	<del>25.5</del>	<del>&lt;10.0</del>	<del>25.5</del>	<del>4240</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-32	<del>7/19/2023</del>	<del>2.5'</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>169</del>	<del>169</del>	<del>27.3</del>	<del>196.3</del>	<del>352</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	177	177	58.4	235.4	160	
CS-33	<del>7/19/2023</del>	<del>2.5'</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>80.5</del>	<del>80.5</del>	<del>15.3</del>	<del>95.8</del>	<del>976</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512	
CS-34	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.4	47.4	<10.0	47.4	592	
CS-35	<del>7/19/2023</del>	<del>2.5'</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>583</del>	<del>583</del>	<del>239</del>	<del>822</del>	<del>432</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
CS-36	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.3	44.3	<10.0	44.3	496	
CS-37	<del>7/19/2023</del>	<del>2.5'</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>13.9</del>	<del>13.9</del>	<del>&lt;10.0</del>	<del>13.9</del>	<del>1300</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1150	
CS-38	<del>7/19/2023</del>	<del>2.5'</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>1280</del>	<del>1280</del>	<del>381</del>	<del>1661</del>	<del>4800</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
CS-39	<del>7/19/2023</del>	<del>2.5'</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>12.7</del>	<del>12.7</del>	<del>&lt;10.0</del>	<del>12.7</del>	<del>864</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
CS-40	<del>7/19/2023</del>	<del>2.5'</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>57.8</del>	<del>57.8</del>	<del>&lt;10.0</del>	<del>57.8</del>	<del>1570</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
CS-41	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69	69	<10.0	69	448	
CS-42	<del>7/19/2023</del>	<del>2.5'</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>11.6</del>	<del>11.6</del>	<del>&lt;10.0</del>	<del>11.6</del>	<del>832</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
CS-43	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.5	33.5	<10.0	33.5	400	
CS-44	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.9	52.9	<10.0	52.9	320	
CS-45	<del>7/19/2023</del>	<del>2.5'</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>	<del>2760</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688	
CS-46	<del>7/19/2023</del>	<del>2.5'</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>56.8</del>	<del>56.8</del>	<del>&lt;10.0</del>	<del>56.8</del>	<del>1810</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912	
CS-47	<del>7/19/2023</del>	<del>2.5'</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>77.9</del>	<del>77.9</del>	<del>15.6</del>	<del>93.5</del>	<del>1070</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
CS-48	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
CS-49	<del>7/19/2023</del>	<del>2.5'</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>	<del>880</del>	
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-50	<del>7/19/2023</del>	<del>2.5'</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>	<del>2640</del>	

Table 3  
Summary of Soil Analytical Data - Confirmation Samples  
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	MRO (C28-C35)	Total GRO/DRO/MRO	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg			
CS-50	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS-51	<del>7/19/2023</del>	<del>2.5'</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>	<del>3360</del>
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1340
CS-52	<del>7/19/2023</del>	<del>2.5'</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>	<del>992</del>
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6960
CS-53	<del>7/19/2023</del>	<del>2.5'</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>52.3</del>	<del>52.3</del>	<del>&lt;10.0</del>	<del>52.3</del>	<del>1760</del>
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4040
CS-54	7/19/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS-55	<del>7/19/2023</del>	<del>2.5'</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>60.8</del>	<del>60.8</del>	<del>10.5</del>	<del>71.3</del>	<del>976</del>
	8/1/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
CS-56	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-57	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.9	14.9	<10.0	14.9	864
CS-58	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	607	607	231	838	3360
CS-59	<del>7/19/2023</del>	<del>3'</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>23.8</del>	<del>23.8</del>	<del>&lt;10.0</del>	<del>23.8</del>	<del>1720</del>
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.3	31.3	<10.0	31.3	752
CS-60	<del>7/19/2023</del>	<del>3'</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>	<del>2640</del>
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
CS-61	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	336
CS-62	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1010
CS-63	7/19/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS-64	<del>7/19/2023</del>	<del>3'</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>22.9</del>	<del>22.9</del>	<del>&lt;10.0</del>	<del>22.9</del>	<del>1550</del>
	8/1/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
CS-65	<del>7/19/2023</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>173</del>	<del>173</del>	<del>47.9</del>	<del>220.9</del>	<del>336</del>
	8/1/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	234	234	40.8	274.8	560
CS-66	<del>7/19/2023</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>935</del>	<del>935</del>	<del>221</del>	<del>1156</del>	<del>864</del>
	<del>8/1/2023</del>	<del>2'</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>71.1</del>	<del>71.1</del>	<del>28.4</del>	<del>99.5</del>	<del>1920</del>
	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	218	218	87.3	305.3	180
CS-67	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1410
CS-68	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1020
CS-69	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2600
CS-70	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-71	8/3/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1440
CS-72	8/3/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-73	8/3/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-74	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-75	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-76	8/4/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-77	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-78	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	11.7	<10.0	11.7	16.0
CS-79	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-80	8/4/2023	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.9	55.9	17.6	72.5	16.0
CS-81	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.3	26.3	<50.0	26.3	174
CS-82	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	28.7	28.7	<50.0	28.7	183
CS-83	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	142

Table 3  
Summary of Soil Analytical Data - Confirmation Samples  
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		MRO	(C28- C35)	Total GRO/DRO/MRO
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	(mg/kg)	
																Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC
10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg						
CS-84	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	202			
CS-85	8/30/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	179			
CS-86	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	202			
CS-87	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	25.4	25.4	<50.0	25.4	208			
CS-88	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	169			
CS-89	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.5	26.5	<50.0	26.5	201			
CS-90	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.6	27.6	<50.0	27.6	194			
CS-91	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.7	27.7	<50.0	27.7	192			
CS-92	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	26.4	26.4	<50.0	26.4	192			
CS-93	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	30	30	<50.0	30	167			
CS-94	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	159			
CS-95	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	36.4	36.4	<50.0	36.4	205			
CS-96	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	197			
CS-97	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0			
CS-98	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	137			
CS-99	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	149			
CS-100	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	425			
CS-101	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	328			
CS-102	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	470			
CS-103	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	23.3			
CS-104	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	105			
CS-105	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	35.5	35.5	<50.0	35.5	199			
CS-106	8/30/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	157			
Confirmation Sidewall Samples																
SW-1	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	4170	4170	1440	5610	1220			
SW-1A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1220			
SW-1B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	213			
SW-2	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	115	115	29.0	144	64.0			
SW-2A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.3	14.3	<10.0	14.3	128			
SW-3	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.0	16.0	<10.0	16.0	144			
SW-4	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.8	20.8	<10.0	20.8	240			
SW-5	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	235	235	36.2	271.2	48.0			
SW-5A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0			
SW-6	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	288	288	108	396	240			
SW-6A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0			
SW-7	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	210	210	56.4	266.4	1120			
SW-7A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1420			
SW-7B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	37.9	37.9	<50.0	37.9	172			
SW-8	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2460	2460	595	3055	4320			
SW-8A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64			
SW-9	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	799	799	271	1070	2320			
SW-9A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64			
SW-10	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	138	138	79.7	217.7	1220			
SW-10A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544			

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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	MRO (C28-C35)	Total GRO/DRO/MRO	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg			
SW-11	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	488	488	187	675	4720
SW-11A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW-12	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	349	349	124	473	1490
SW-12A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-13	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	19.9	3790	3809.9	769	4578.9	7400
SW-13A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
SW-13B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	186
SW-14	7/19/2023	0 - 2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.5	42.5	16.1	58.6	192
SW-15	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	212	212	52	264	3160
SW-15A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4040
SW-15B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	198
SW-16	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	104	45.6	149.6	352
SW-16A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
SW-16B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	167
SW-17	7/19/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3610	3610	970	4580	8800
SW-17A	8/1/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1840
SW-17B	8/30/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	32.7	32.7	<50.0	32.7	192
SW-18	7/19/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	71.5	71.5	25.1	96.6	1440
SW-18A	8/1/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SW-18B	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	29.1	29.1	<50.0	29.1	199
SW-19	7/19/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96	96	35.5	131.5	1070
SW-19A	8/1/2023	0 - 5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-20	7/19/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	449	449	195	644	752
SW-20A	8/1/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	12.8	<10.0	12.8	1170
SW-20B	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	27.7	27.7	<50.0	27.7	192
SW-21	7/19/2023	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2030	2030	670	2700	3360
SW-21A	8/1/2023	0 - 5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.3	37.3	<10.0	37.3	576
SW-22	7/19/2023	2.5 - 5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SW-23	7/19/2023	3-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.2	20.2	<10.0	20.2	656
SW-24	7/19/2023	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	800	800	270	1070	1180
SW-24A	8/1/2023	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
SW-25	7/19/2023	1-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1150	1150	330	1480	480
SW-26	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1120
SW-27	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2760
SW-28	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.6	16.6	<10.0	16.6	3920
SW-29	8/3/2023	0-4'	<0.050	0.682	0.860	7.76	9.31	380	5840	6220	1120	7340	496
SW-30	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	11.9	641	652.9	175	827.9	672
SW-31	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.5	10.5	<10.0	10.5	6000
SW-32	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	587	587	174	761	2400
SW-33	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1710
SW-34	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.2	39.2	<10.0	39.2	2000
SW-35	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4000
SW-36	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1550
SW-37	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	163	163	36.1	199.1	784



Table 3  
Summary of Soil Analytical Data - Confirmation Samples  
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	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1000 mg/kg	---	2500 mg/kg	20000 mg/kg
SW-38	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>2280</b>
SW-39	8/3/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>1760</b>
SW-40	8/3/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-41	8/3/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
SW-42	8/30/2023	0-2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>190</b>
SW-43	8/4/2023	0.5-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-44	8/4/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-45	8/4/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-46	8/4/2023	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-47	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>30.7</b>
SW-48	8/30/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<b>39.5</b>

## Notes:

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

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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

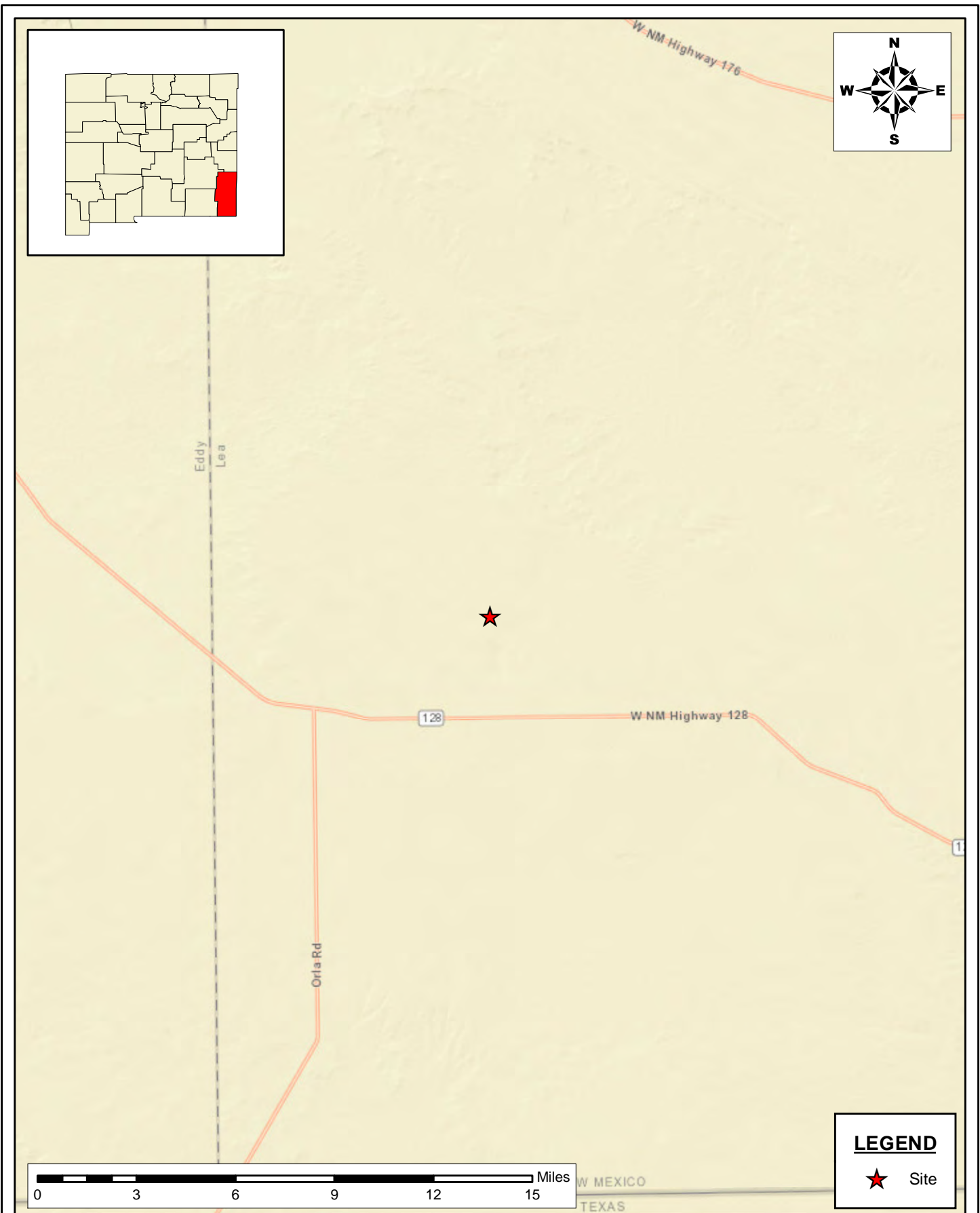
9. --- Not Analyzed

SP-1 Sample Point Excavated

## **FIGURES**


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Document Path: P:\2023 PROJECTS\DEVON\RSC\237481 - Thistle Unit #46H\7- Figures\GIS\Figure\_1\_SL.mxd



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

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

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

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

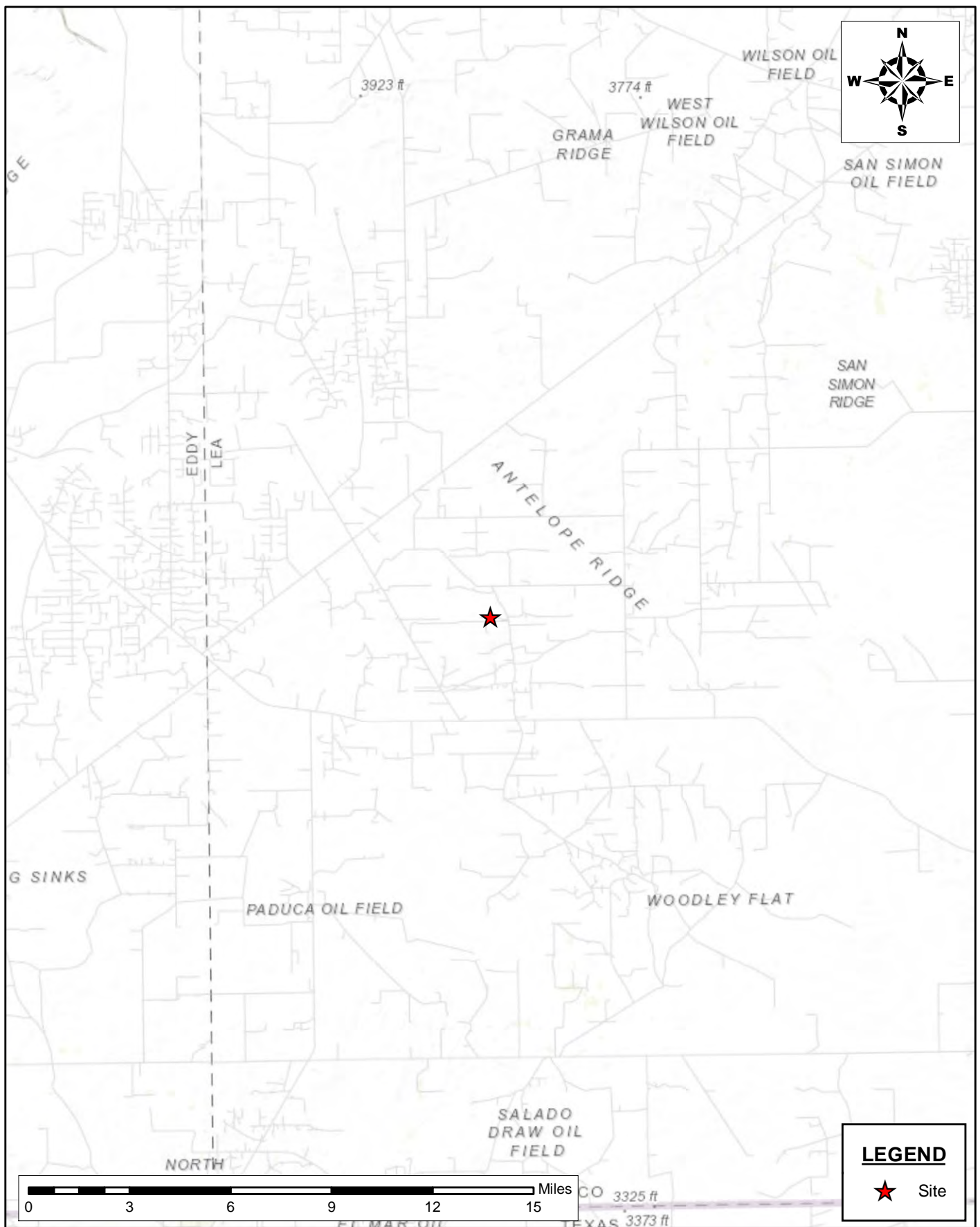
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**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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

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



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**NOTES:**

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

DRAWING NUMBER:

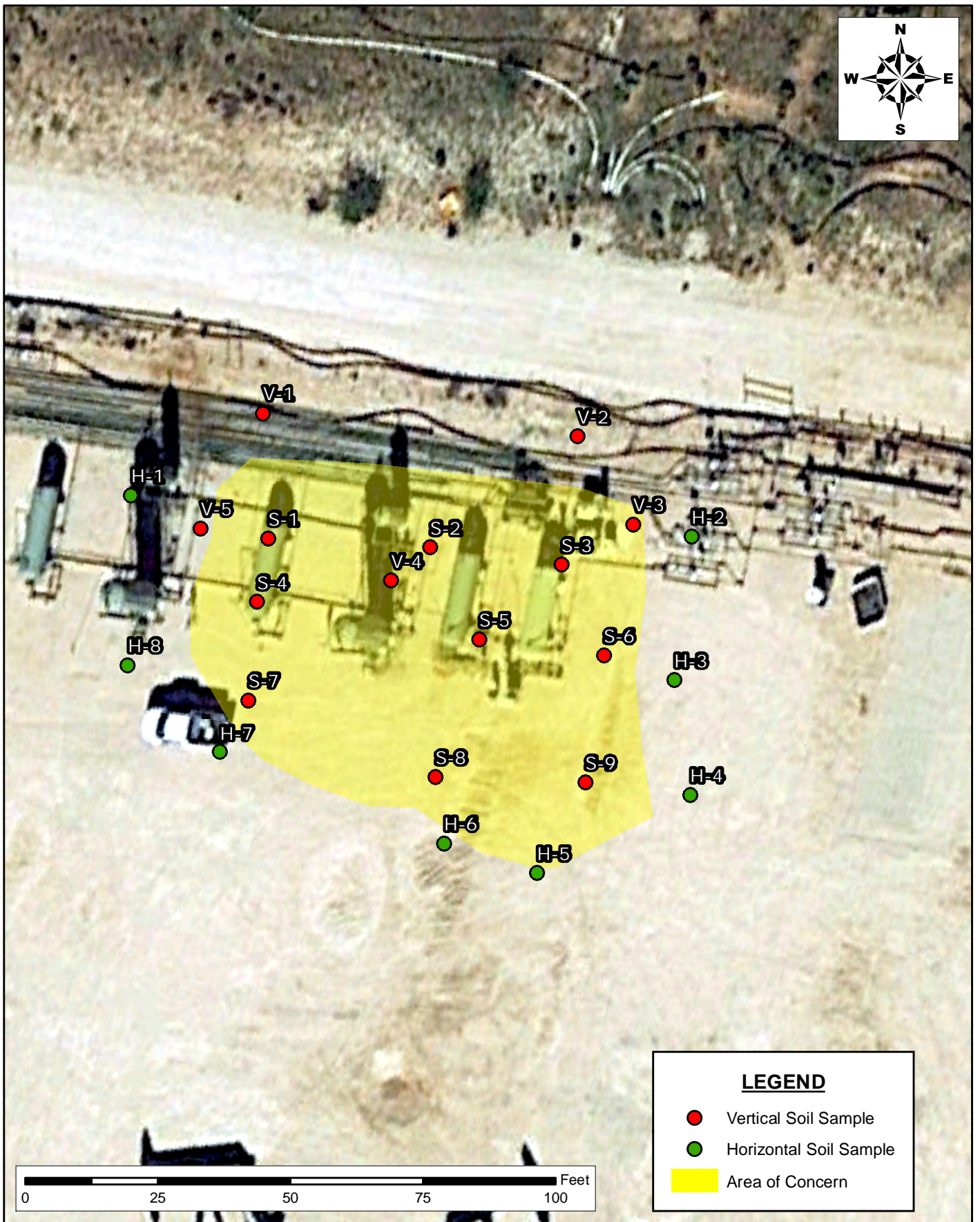
**FIGURE 2**

SHEET NUMBER:

**1 of 1**



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



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

**NOTES:**

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

DRAWING NUMBER:

**FIGURE 3**

SHEET NUMBER:

**1 of 1**

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



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

**NOTES:**

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

DRAWING NUMBER:

**FIGURE 4**

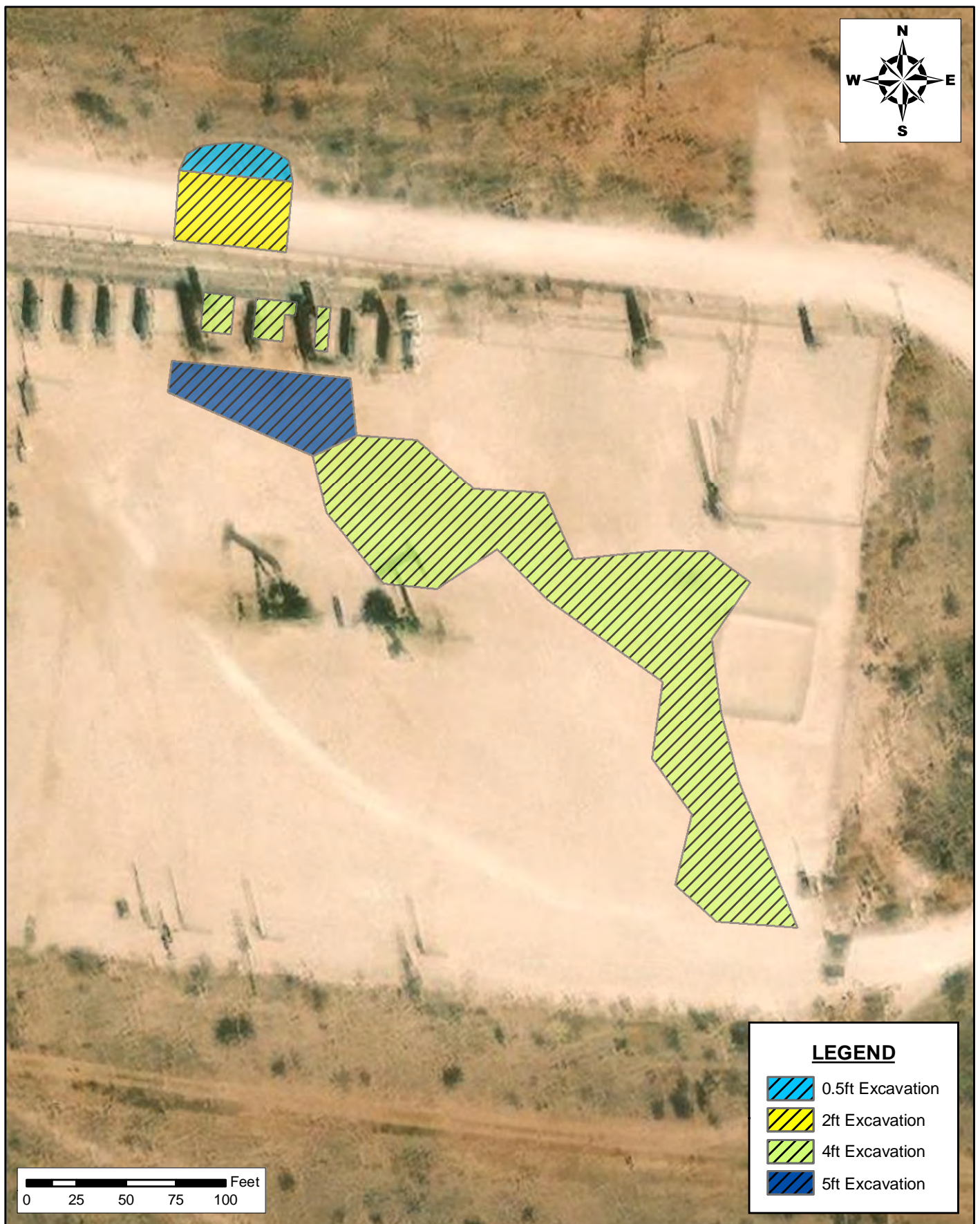
SHEET NUMBER:

**1 of 1**

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



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

SCALE: AS SHOWN

DATE: 10/25/2023

PROJECT #: 237484



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

**NOTES:**

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

DRAWING NUMBER:

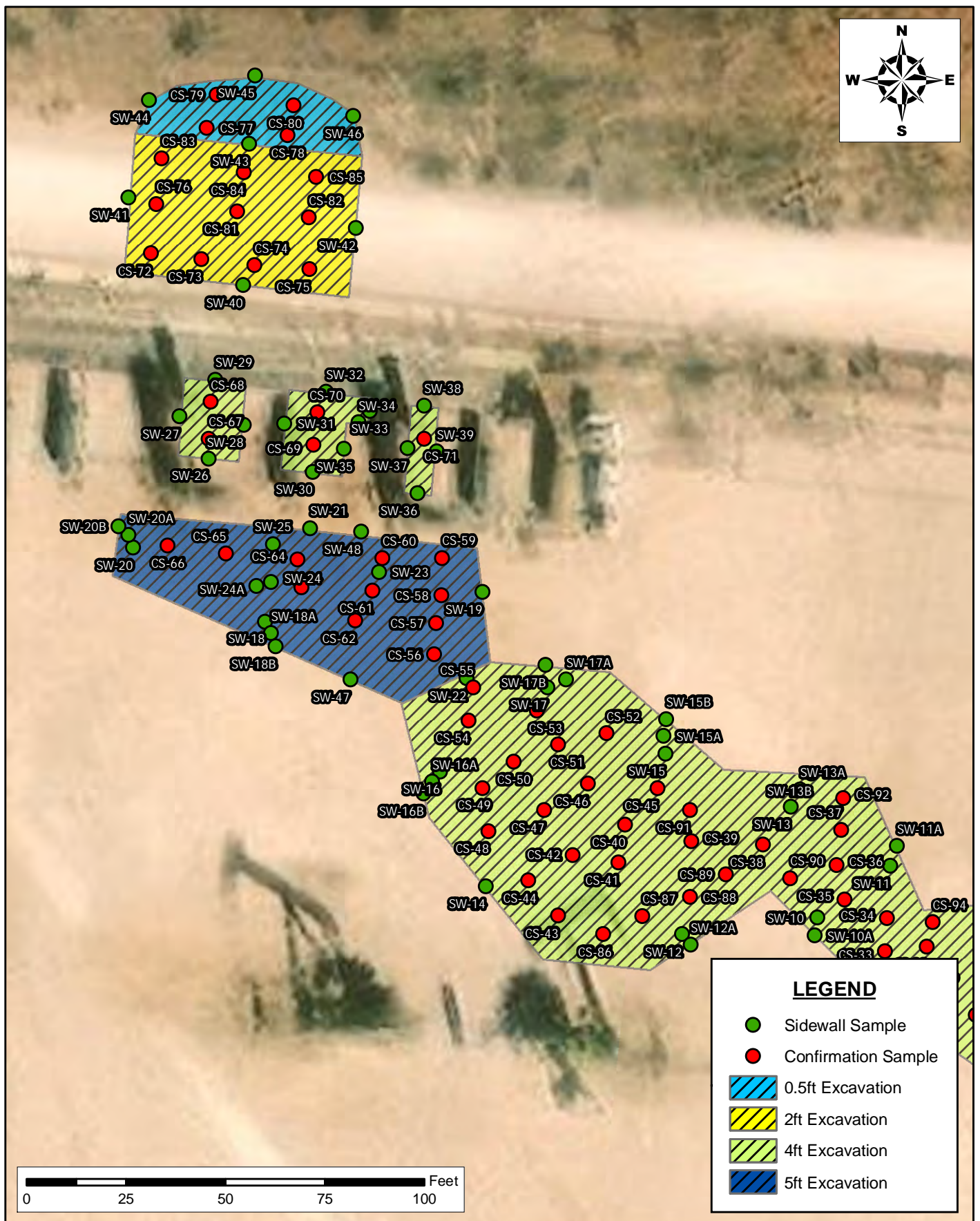
**FIGURE 5**

SHEET NUMBER:

**1 of 1**



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

SCALE: AS SHOWN

DATE: 10/25/2023

PROJECT #: 237484



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

**NOTES:**

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

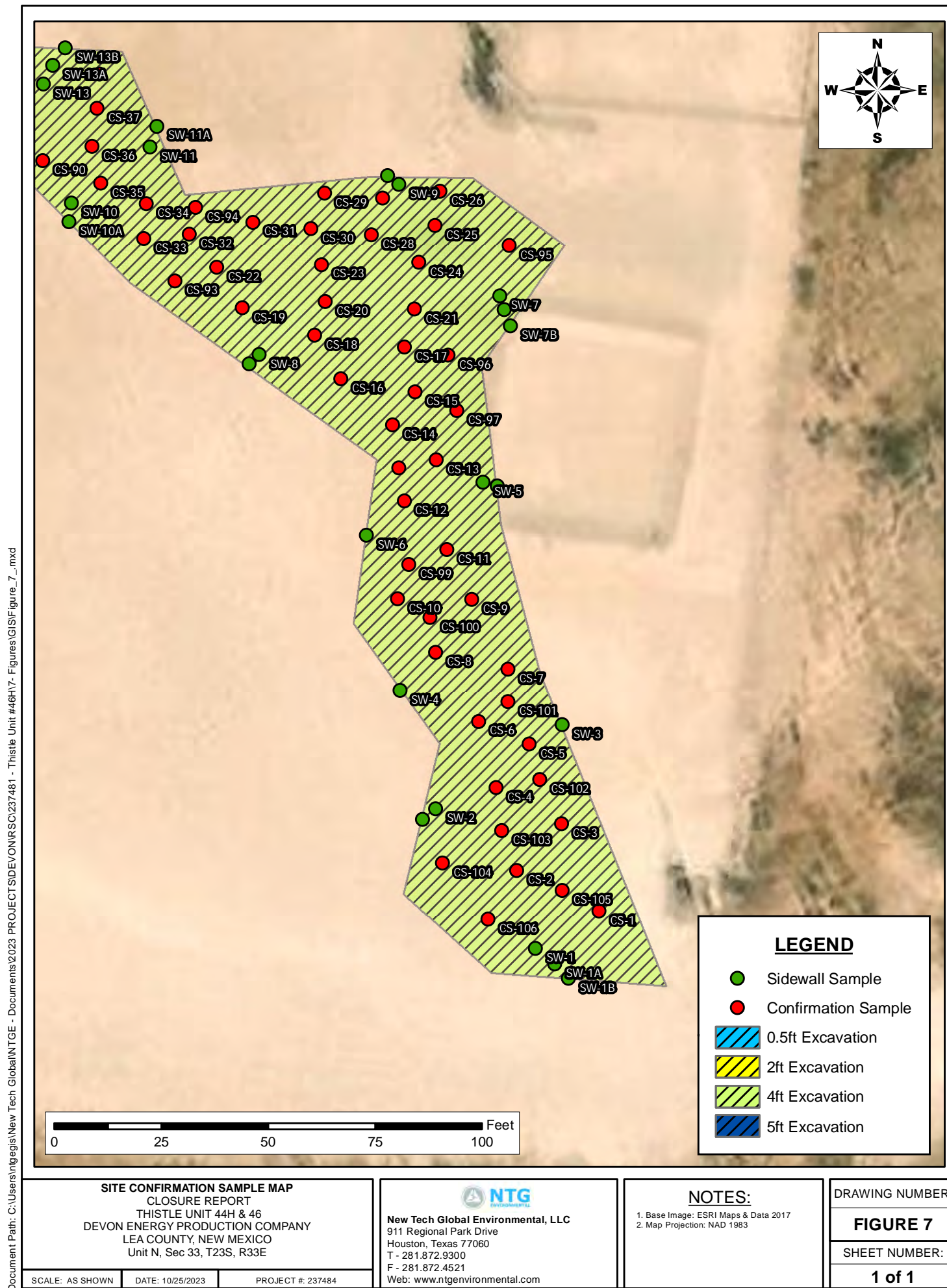
DRAWING NUMBER:

**FIGURE 6**

SHEET NUMBER:

**1 of 1**





## **PHOTOGRAPHIC LOG**

---

## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 1**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
Area of impact.

**Photograph No. 2**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
Area of impact.

**Photograph No. 3**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
Area of impact.





# PHOTOGRAPHIC LOG

## Devon Energy Production Company

**Photograph No. 4**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 5**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 6**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 7**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 8**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

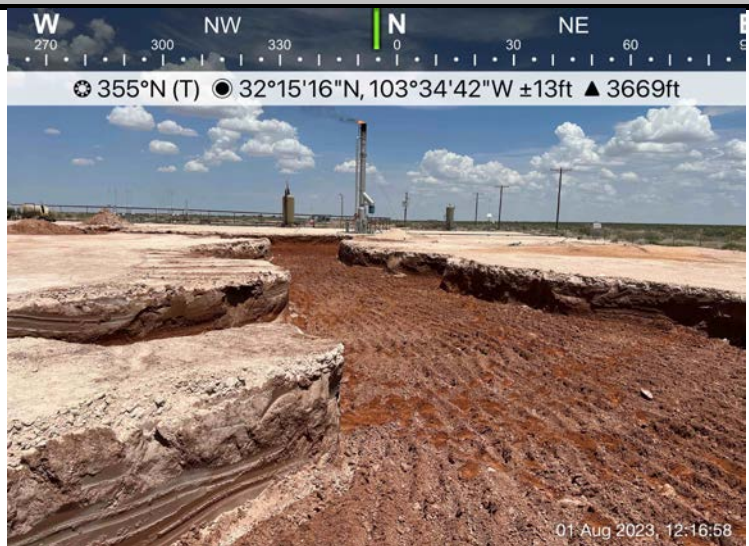
**Description:**  
View of the excavation

**Photograph No. 9**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation





# PHOTOGRAPHIC LOG

## Devon Energy Production Company

**Photograph No. 10**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 11**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

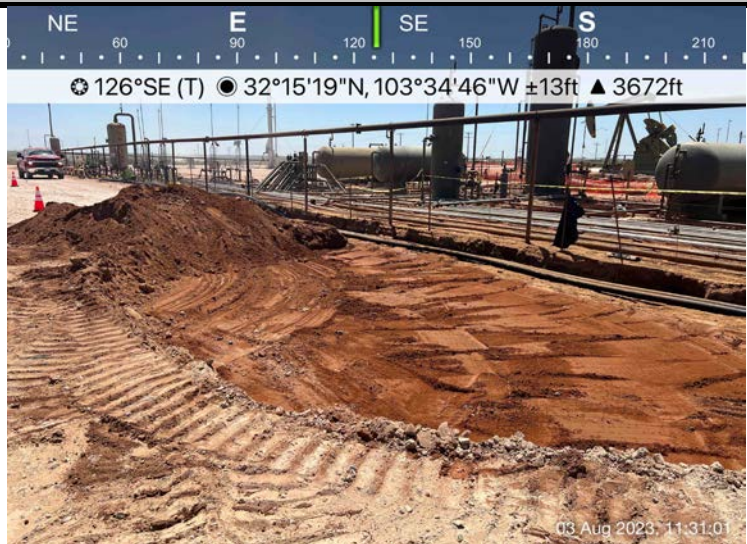
**Description:**  
View of the excavation

**Photograph No. 12**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation





# PHOTOGRAPHIC LOG

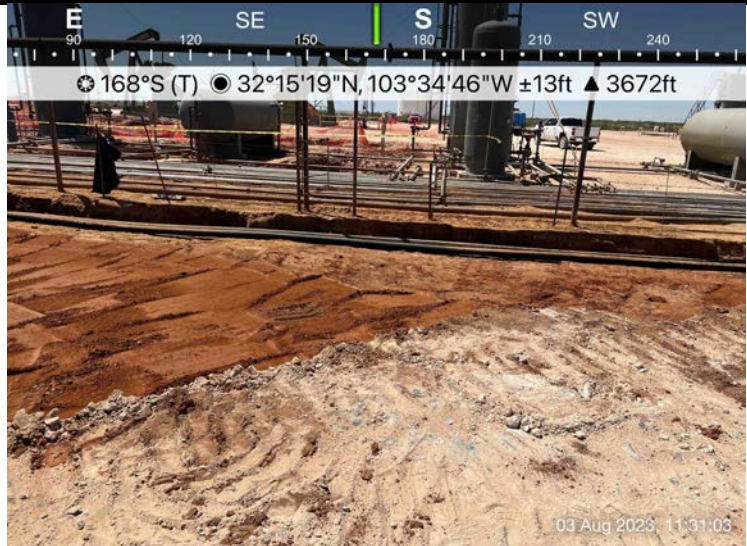
## Devon Energy Production Company

**Photograph No. 13**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 14**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 15**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation





## PHOTOGRAPHIC LOG

Devon Energy Production Company

**Photograph No. 16**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 17**

**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation



**Facility:** Thistle Unit 44H CTB

**County:** Lea County, New Mexico

**Description:**  
View of the excavation



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

**Kellan Smith**

---

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

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



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---

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

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

Associated Incidents:

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

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



**Kellan Smith**

---

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

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



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---

**From:** Ethan Sessums  
**Sent:** Friday, July 28, 2023 1:33 PM  
**To:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Subject:** RE: [EXTERNAL] Sampling Notification

Thank you!

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



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Friday, July 28, 2023 1:32 PM



**To:** Ethan Sessums <[ESessums@ntglobal.com](mailto:ESessums@ntglobal.com)>

**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>

**Subject:** RE: [EXTERNAL] Sampling Notification

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Hi Ethan,

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

Thank you,

Shelly

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

---

**From:** Ethan Sessums <[ESessums@ntglobal.com](mailto:ESessums@ntglobal.com)>

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

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Subject:** [EXTERNAL] Sampling Notification

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

Associated Incidents:

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

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

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

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**Kellan Smith**

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

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



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

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

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

---

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

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Subject:** Sampling Notification

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

Associated Incidents:

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

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

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



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

November 11, 2022

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT 44H CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/04/22 10:48.

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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (0-1') (H225225-01)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	2240	10.0	11/08/2022	ND	205	103	200	3.22	QM-07
EXT DRO >C28-C36	858	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 155 % 46.3-178

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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (1-1.5') (H225225-02)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (2-2.5') (H225225-03)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (3-3.5') (H225225-04)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2160	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (4-4.5') (H225225-05)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 1 (5-5.5') (H225225-06)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (0-1') (H225225-07)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	0.823	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	205	103	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (1-1.5') (H225225-08)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (2-2.5') (H225225-09)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (3-3.5') (H225225-10)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (4-4.5') (H225225-11)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 2 (5-5.5') (H225225-12)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (0-1') (H225225-13)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.4 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (1-1.5') (H225225-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.83	91.7	2.00	1.35		
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (2-2.5') (H225225-15)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.8 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (3-3.5') (H225225-16)**

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	11/10/2022	ND	1.83	91.7	2.00	1.35	
Toluene*	<0.050	0.050	11/10/2022	ND	2.03	101	2.00	3.08	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.92	96.1	2.00	2.97	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	5.75	95.9	6.00	3.51	
Total BTX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (4-4.5') (H225225-17)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 3 (5-5.5') (H225225-18)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5760	16.0	11/07/2022	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	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (0-1') (H225225-19)**

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/11/2022	ND	1.95	97.6	2.00	2.59	
Toluene*	<0.050	0.050	11/11/2022	ND	2.05	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	2.00	99.9	2.00	2.36	
Total Xylenes*	<0.150	0.150	11/11/2022	ND	6.07	101	6.00	2.34	
Total BTX	<0.300	0.300	11/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 69.9-140

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	11/07/2022	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*	83.1	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	5980	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	1030	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 142 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (1-1.5') (H225225-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2022	ND	203	102	200	11.5	
DRO >C10-C28*	21.3	10.0	11/09/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (2-2.5') (H225225-21)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (3-3.5') (H225225-22)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.6 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (4-4.5') (H225225-23)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 4 (5-5.5') (H225225-24)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59	
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/08/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	13.9	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (0-1') (H225225-25)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59	
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	102	200	11.5	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	5.26	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (1-1.5') (H225225-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	101	200	0.918	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	214	107	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (2-2.5') (H225225-27)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59	
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34	
Total BTEX	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	203	101	200	0.918	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	214	107	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.7 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (3-3.5') (H225225-28)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (4-4.5') (H225225-29)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 5 (5-5.5') (H225225-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (0-1') (H225225-31)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (1-1.5') (H225225-32)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (2-2.5') (H225225-33)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (3-3.5') (H225225-34)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (4-4.5') (H225225-35)**

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	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 6 (5-5.5') (H225225-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.95	97.6	2.00	2.59		
Toluene*	<0.050	0.050	11/10/2022	ND	2.05	102	2.00	1.04		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	2.00	99.9	2.00	2.36		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.07	101	6.00	2.34		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (0-1') (H225225-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	14.7	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (1-1.5') (H225225-38)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (2-2.5') (H225225-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/08/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (3-3.5') (H225225-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (4-4.5') (H225225-41)**

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	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEX	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 7 (5-5.5') (H225225-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (0-1') (H225225-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (1-1.5') (H225225-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (2-2.5') (H225225-45)**

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	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (3-3.5') (H225225-46)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (4-4.5') (H225225-47)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	11/08/2022	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	11/08/2022	ND	189	94.7	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	195	97.6	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 8 (5-5.5') (H225225-48)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (0-1') (H225225-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (1-1.5') (H225225-50)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (2-2.5') (H225225-51)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (3-3.5') (H225225-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (4-4.5') (H225225-53)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	37.9	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S - 9 (5-5.5') (H225225-54)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 1 (H225225-55)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 2 (H225225-56)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/11/2022	ND	1.90	95.2	2.00	2.00		
Toluene*	<0.050	0.050	11/11/2022	ND	2.01	101	2.00	2.98		
Ethylbenzene*	<0.050	0.050	11/11/2022	ND	1.95	97.3	2.00	3.27		
Total Xylenes*	<0.150	0.150	11/11/2022	ND	5.97	99.5	6.00	2.57		
Total BTEx	<0.300	0.300	11/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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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: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 3 (H225225-57)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.91	95.3	2.00	10.3	
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 4 (H225225-58)**

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	11/10/2022	ND	1.91	95.3	2.00	10.3		
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00		
Total BTX	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 5 (H225225-59)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.91	95.3	2.00	10.3	
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/08/2022	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	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 6 (H225225-60)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.91	95.3	2.00	10.3	
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 89.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 7 (H225225-61)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.91	95.3	2.00	10.3	
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00	
Total BTEx	<0.300	0.300	11/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/08/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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**Analytical Results For:**

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

Received: 11/04/2022  
 Reported: 11/11/2022  
 Project Name: THISTLE UNIT 44H CTB  
 Project Number: 226502  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 11/04/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: H - 8 (H225225-62)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/10/2022	ND	1.91	95.3	2.00	10.3		
Toluene*	<0.050	0.050	11/10/2022	ND	1.97	98.6	2.00	7.62		
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.13	102	6.00	7.00		
Total BTEx	<0.300	0.300	11/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/08/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	215	107	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	202	101	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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:

H225225

Page 1 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com
Project Name:	Thiata LA-1 444 CTB	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	226502	Due Date:	
Project Location:	LA CO NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kellin Smith		
PO #:	20995551		

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:	

Received Intact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	113
Sample Custody Seals:	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	-0.62
Total Containers:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	-1.42
	Corrected Temperature:		-2.02

Parameters

BTEX 8021B

TPH 8015M ( GRO + DRO + MRO )

Chloride 4500

ANALYSIS REQUEST

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>3</sub>: NaSO<sub>3</sub>

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Comp	# of Cont
S-1 (0-1')	11-4		✓			✓
S-1 (1-1.5')						✓
S-1 (2-2.5')						✓
S-1 (3-3.5')						✓
S-1 (4-4.5')						✓
S-1 (5-5.5')						✓
S-2 (0-1')						✓
S-2 (1-1.5')						✓
S-2 (2-2.5')						✓
S-2 (3-3.5')						✓

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions 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 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





Chain of Custody

Work Order No:

H225225

Page 2 of 7

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

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

Project Name:		Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:		Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:			
PO #:			

Received In tact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	113
Sample Custody Seals:	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	-0.62
Total Containers:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	-1.42
	Corrected Temperature:		-2.02

Parameters	Pres. Code	Analysis Request	Preservative Codes
BTEX 8021B			None: NO
TPH 8015M ( GRO + DRO + MRO)			DI Water: H <sub>2</sub> O
Chloride 4500			Cool: Cool
			HCL: HC
			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>
			H <sub>3</sub> PO <sub>4</sub> : HP
			NaHSO <sub>4</sub> : NABIS
			Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>
			Zn Acetate+NaOH: Zn
			NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Sample Comments
S-2 (4-4.5')	11-4					✓	
S-2 (5-5.5')						✓	
S-3 (0-1')						✓	
S-3 (1-1.5')						✓	
S-3 (2-2.5')						✓	
S-3 (3-3.5')						✓	
S-3 (4-4.5')						✓	
S-2 (5-5.5')						✓	
S-4 (0-1')						✓	
S-4 (1-1.5')						✓	

Additional Comments:

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		11-4-22 1048			
		4			
		6			





Chain of Custody

Work Order No:

H225225

Page 3 of 7

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

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

Project Number:	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Location:	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Due Date:																
Sampler's Name:	TAT starts the day received by the lab, if received by 4:30pm																	
PO #:																		
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 Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113															
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6°C															
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	-1.4°C															
Total Containers:	Corrected Temperature:	-2.0°C																
Sample Identification	Date	Time	Soil	Water	Comp	# of Cont	Parameters											
S-4 (2-2.5')	11-4						BTX 8021B											
S-4 (3-3.5')							TPH 8015M (GRO + DRO + MRO)											
S-4 (4-4.5')							Chloride 4500											
S-4 (5-5.5')																		
S-5 (0-1')																		
S-5 (1-1.5')																		
S-5 (2-2.5')																		
S-5 (3-3.5')																		
S-5 (4-4.5')																		
S-5 (5-5.5')																		

Additional Comments:

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Relinquished by: (Signature)

Received by: (Signature)

Date/Time





Chain of Custody

Work Order No: H025322

Page 4 of 7

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

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

Project Name:		Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:		Due Date:																None: NO	DI Water: H <sub>2</sub> O
Project Location:		TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool	MeOH: Me
Sampler's Name:																		HCL: HC	HNO <sub>3</sub> : HN
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <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"/>	Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</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:		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab Comp	# of Cont	Corrected Temperature: -2.0°C										Zn Acetate+NaOH: Zn	
							TPH 801										NaOH+Ascorbic Acid: SAPC	
S-6 (0-1')	11-4		✓				✓	✓	✓								Sample Comments	
S-6 (1-1.5')							✓	✓	✓									
S-6 (2-2.5')							✓	✓	✓									
S-6 (3-3.5')							✓	✓	✓									
S-6 (4-4.5')							✓	✓	✓									
S-6 (5-5.5')							✓	✓	✓									
S-7 (0-1')							✓	✓	✓									
S-7 (1-1.5')							✓	✓	✓									
S-7 (2-2.5')							✓	✓	✓									
S-7 (3-3.5')							✓	✓	✓									

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>	11-4-22 1048 <sup>2</sup>			
		4			
		6			





Chain of Custody

Work Order No:

H 205025

Page 69 of 71

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

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

Project Name:		Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:		Due Date:			
Project Location:		TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:					
PO #:					
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 Inact:		Thermometer ID:			
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:			
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
S-7 (4.4.5')	11-4		✓			✓	BTEX 8021B		None: NO	DI Water: H <sub>2</sub> O
S-7 (5.5.5')						✓	TPH 8015M ( GRO + DRO + MRO)		Cool: Cool	MeOH: Me
S-8 (6.1')						✓	Chloride 4500		HCL: HC	HNO <sub>3</sub> : HN
S-8 (2.1.5')						✓			H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
S-8 (3.2.5')						✓			H <sub>3</sub> PO <sub>4</sub> : HP	
S-8 (4.4.5')						✓			NaHSO <sub>4</sub> : NABIS	
S-8 (5.6.5')						✓			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
S-9 (0.1')						✓			Zn Acetate+NaOH: Zn	
S-9 (1.1.5')						✓			NaOH+Ascorbic Acid: SAPC	

Additional Comments:

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Received by: (Signature)

Date/Time





Chain of Custody

Work Order No:

4225225

Page 6 of 7

Page 70 of 71

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Catsbad, 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"/> Unpertund <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:		Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST				Preservative Codes		
Project Number:		Due Date:									None: NO	DI Water: H <sub>2</sub> O
Project Location:		TAT starts the day received by the lab, if received by 4:30pm									Cool: Cool	MeOH: Me
Sampler's Name:											HCL: HC	HNO <sub>3</sub> : HN
PO #:											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes <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"/>	Correction Factor:									Na <sub>2</sub> S <sub>2</sub> O <sub>3</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:		Corrected Temperature:									NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
S-9 (2.25')	11-4						BTEX 8021B		
S-9 (3.35')							TPH 8015M ( GRO + DRO + MRO)		
S-9 (4.45')							Chloride 4500		
S-9 (5.55')									
H-1									
H-2									
H-3									
H-4									
H-5									
H-6									

Additional Comments:

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		11-22-1048			





Chain of Custody

Work Order No: H225225

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

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

Project Name:	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes			
Project Number:	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush															None: NO	DI Water: H <sub>2</sub> O		
Project Location:	Due Date:		TAT starts the day received by the lab, if received by 4:30pm												Cool: Cool		MeOH: Me		
Sampler's Name:															HCL: HC		HNO <sub>3</sub> : HN		
PO #:															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes <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"/>	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:	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Comp	# of Cont											Sample Comments		
H-7	11-4																		
H-8	1																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	11-22-1048			
		2			
		4			
		6			

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

---

June 09, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 46

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

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

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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 or 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 damage 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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

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

Reported:  
09-Jun-23 16:55

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

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1220</b>		16.0	mg/kg	4	3060822	AC	08-Jun-23	4500-Cl-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

**Volatile Organic Compounds by EPA Method 8021**

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

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

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

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

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

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

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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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





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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

**Petroleum Hydrocarbons by GC FID**

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

Surrogate: 1-Chlorooctane 90.5 % 48.2-134 3060805 MS 08-Jun-23 8015B

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148 3060805 MS 08-Jun-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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



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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

Surrogate: 1-Chlorooctane			118 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			142 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

Surrogate: 1-Chlorooctane			109 %	48.2-134		3060806	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		3060806	MS	08-Jun-23	8015B	
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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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





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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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



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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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



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

**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

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



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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

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

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

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

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

Surrogate: 1-Chlorooctane			101 %	48.2-134		3060807	MS	08-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3060807	MS	08-Jun-23	8015B	
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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

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

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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS (3060801-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS Dup (3060801-BSD1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS (3060802-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS Dup (3060802-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS (3060805-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS Dup (3060805-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060806 - General Prep - Organics****LCS (3060806-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS Dup (3060806-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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

Prepared &amp; Analyzed: 08-Jun-23

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

**LCS (3060807-BS1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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**Analytical Results For:**

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

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

Reported:  
09-Jun-23 16:55

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3060807 - General Prep - Organics****LCS Dup (3060807-BSD1)**

Prepared &amp; Analyzed: 08-Jun-23

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

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232922

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

Project Name:		This site 22-01B-2-416	
Project Number:	237334	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush
Project Location:	Lea Co. NM	Due Date:	24hr
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6°C		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	31°C		
Total Containers:	11	Corrected Temperature:	30.5°C		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
							Pres. Code	BTEX 8021B	TPH 8015M ( GRO + DRO + MRO )	Chloride 4500							None: NO	DI Water: H <sub>2</sub> O
V-1 (0-1)	6/7/2023		X		Grab/	1		X	X	X							Cool: Cool	MeOH: Me
V-1 (1-1.5)	6/7/2023		X		Grab/	1		X	X	X							HCL: HC	HNO <sub>3</sub> : HN
V-1 (2-2.5)	6/7/2023		X		Grab/	1		X	X	X							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
V-1 (3-3.5)	6/7/2023		X		Grab/	1		X	X	X							H <sub>3</sub> PO <sub>4</sub> : HP	
V-2 (0-1)	6/7/2023		X		Grab/	1		X	X	X							NaHSO <sub>4</sub> : MABIS	
V-2 (1-1.5)	6/7/2023		X		Grab/	1		X	X	X							Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>	
V-2 (2-2.5)	6/7/2023		X		Grab/	1		X	X	X							Zn Acetate+NaOH: Zn	
H-1	6/7/2023		X		Grab/	1		X	X	X							NaOH+Ascorbic Acid: SAPC	
H-2	6/7/2023		X		Grab/	1		X	X	X								
H-3	6/7/2023		X		Grab/	1		X	X	X								

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

Relinquished by: (Signature)		Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
			6-7-23 1440			





## Chain of Custody

**Work Order No.:**

H232922

Page 2 of 2

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

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

[illegible][illegible]

Additional Comments:

Notice: Signature of this document of debt 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 \$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

Report to:  
Ethan Sessums



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

NTG-New Tech Global Environmental

Project Name: Thistle Unit #46H

Work Order: E308234

Job Number: 01058-0007

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/5/23

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: 9/5/23

Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060



Project Name: Thistle Unit #46H  
Workorder: E308234  
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: Thistle Unit #46H.

The analytical test results summarized in this report with the Project Name: Thistle Unit #46H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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

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**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: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 09/05/23 15:00
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-66	E308234-01A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-81	E308234-02A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-82	E308234-03A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-83	E308234-04A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-84	E308234-05A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-85	E308234-06A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-86	E308234-07A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-87	E308234-08A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-88	E308234-09A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-89	E308234-10A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-90	E308234-11A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-91	E308234-12A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-92	E308234-13A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-93	E308234-14A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-94	E308234-15A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-95	E308234-16A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-96	E308234-17A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-97	E308234-18A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-98	E308234-19A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-99	E308234-20A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-100	E308234-21A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-101	E308234-22A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-102	E308234-23A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-103	E308234-24A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-104	E308234-25A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-105	E308234-26A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
CS-106	E308234-27A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-1B	E308234-28A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-7B	E308234-29A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-13B	E308234-30A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-15B	E308234-31A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-16B	E308234-32A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-17B	E308234-33A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-18B	E308234-34A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-20B	E308234-35A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-42	E308234-36A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-47	E308234-37A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
SW-48	E308234-38A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-66

## E308234-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	107 %	70-130		09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	106 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	107 %	70-130		09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	218	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	87.3	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane	88.3 %	50-200		09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	180	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-81

## E308234-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.3	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.1 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	174	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-82

## E308234-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	28.7	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		87.0 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	183	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-83

## E308234-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	142	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-84

## E308234-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		106 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		106 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	32.2	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		84.2 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	202	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

CS-85

E308234-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		85.0 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	179	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-86

## E308234-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		84.1 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	202	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

CS-87

E308234-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	25.4	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		87.9 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	208	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

CS-88

E308234-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		105 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.4 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	169	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-89

## E308234-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.5	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		87.9 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	201	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-90

## E308234-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	27.6	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		86.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	194	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-91

## E308234-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	27.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.2 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	192	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-92

## E308234-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		103 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	26.4	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	192	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-93

## E308234-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		106 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	30.0	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.3 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	167	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-94

## E308234-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		84.3 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	159	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-95

## E308234-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	36.4	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		84.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	205	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-96

E308234-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.5 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	197	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-97

## E308234-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	106 %	70-130		09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/01/23	09/01/23	
Surrogate: Toluene-d8	106 %	70-130		09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane	85.0 %	50-200		09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	ND	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-98

## E308234-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		102 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		107 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.6 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	137	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-99

## E308234-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2335081
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		105 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		108 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335097
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335088
Chloride	149	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-100

## E308234-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.0 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	425	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-101

## E308234-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		89.3 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	328	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-102

## E308234-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	470	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-103

## E308234-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.0 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	23.3	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-104

## E308234-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.3 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	105	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-105

## E308234-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	35.5	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		92.0 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	199	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## CS-106

## E308234-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		90.7 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	157	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-1B

E308234-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		116 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/01/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/01/23	
Surrogate: n-Nonane		91.1 %	50-200	09/01/23	09/01/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	213	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-7B

E308234-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	37.9	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.4 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	172	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-13B

## E308234-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.3 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	186	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-15B

## E308234-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.9 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	198	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-16B

## E308234-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		122 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		91.3 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	167	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-17B

## E308234-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	32.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		88.9 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	192	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-18B

E308234-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	29.1	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		90.3 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	199	20.0	1	08/31/23	09/01/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

## SW-20B

## E308234-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	27.7	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.9 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	192	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

SW-42

E308234-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		89.8 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	190	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

SW-47

E308234-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335082
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2335099
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		95.8 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2335089
Chloride	30.7	20.0	1	08/31/23	09/01/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
9/5/2023 3:00:10PM

SW-48

E308234-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Benzene	ND	0.0250	1	09/01/23	09/01/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/01/23	
Toluene	ND	0.0250	1	09/01/23	09/01/23	
o-Xylene	ND	0.0250	1	09/01/23	09/01/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/01/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335082	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/01/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/01/23	09/01/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	09/01/23	09/01/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2335099	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/01/23	09/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/01/23	09/02/23	
Surrogate: n-Nonane		93.7 %	50-200	09/01/23	09/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2335089	
Chloride	39.5	20.0	1	08/31/23	09/01/23	



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2335081-BLK1)

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

## LCS (2335081-BS1)

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.79	0.0250	2.50		112	70-130			
Ethylbenzene	2.85	0.0250	2.50		114	70-130			
Toluene	2.86	0.0250	2.50		114	70-130			
o-Xylene	2.97	0.0250	2.50		119	70-130			
p,m-Xylene	5.86	0.0500	5.00		117	70-130			
Total Xylenes	8.83	0.0250	7.50		118	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

## Matrix Spike (2335081-MS1)

Source: E308234-07

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.59	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.69	0.0250	2.50	ND	108	45-135			
Toluene	2.67	0.0250	2.50	ND	107	48-130			
o-Xylene	2.92	0.0250	2.50	ND	117	43-135			
p,m-Xylene	5.70	0.0500	5.00	ND	114	43-135			
Total Xylenes	8.62	0.0250	7.50	ND	115	43-135			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

## Matrix Spike Dup (2335081-MSD1)

Source: E308234-07

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.36	0.0250	2.50	ND	94.5	48-131	9.11	23	
Ethylbenzene	2.59	0.0250	2.50	ND	103	45-135	4.05	27	
Toluene	2.59	0.0250	2.50	ND	103	48-130	3.05	24	
o-Xylene	2.81	0.0250	2.50	ND	112	43-135	3.89	27	
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135	3.64	27	
Total Xylenes	8.31	0.0250	7.50	ND	111	43-135	3.73	27	
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 9/5/2023 3:00:10PM
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## 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 (2335082-BLK1)

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.612		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

## LCS (2335082-BS1)

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.36	0.0250	2.50		94.4	70-130			
Ethylbenzene	2.58	0.0250	2.50		103	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
o-Xylene	2.73	0.0250	2.50		109	70-130			
p,m-Xylene	5.48	0.0500	5.00		110	70-130			
Total Xylenes	8.21	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	0.610		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

## Matrix Spike (2335082-MS1)

Source: E308234-27

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.65	0.0250	2.50	ND	106	48-131			
Ethylbenzene	2.68	0.0250	2.50	ND	107	45-135			
Toluene	2.72	0.0250	2.50	ND	109	48-130			
o-Xylene	2.87	0.0250	2.50	ND	115	43-135			
p,m-Xylene	5.77	0.0500	5.00	ND	115	43-135			
Total Xylenes	8.64	0.0250	7.50	ND	115	43-135			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			

## Matrix Spike Dup (2335082-MSD1)

Source: E308234-27

Prepared: 09/01/23 Analyzed: 09/01/23

Benzene	2.47	0.0250	2.50	ND	98.8	48-131	7.18	23	
Ethylbenzene	2.54	0.0250	2.50	ND	101	45-135	5.56	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	5.80	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	6.19	27	
p,m-Xylene	5.44	0.0500	5.00	ND	109	43-135	5.89	27	
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135	5.99	27	
Surrogate: Bromofluorobenzene	0.613		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			





## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/5/2023 3:00:10PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2335081-BLK1)

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

## LCS (2335081-BS2)

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	65.6	20.0	50.0		131	70-130			L2
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

## Matrix Spike (2335081-MS2)

Source: E308234-07

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	67.6	20.0	50.0	ND	135	70-130			M7
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

## Matrix Spike Dup (2335081-MSD2)

Source: E308234-07

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	67.0	20.0	50.0	ND	134	70-130	0.916	20	M7
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	<b>Reported:</b> 9/5/2023 3:00:10PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

## Blank (2335082-BLK1)

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.612		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.559		0.500		112	70-130			

## LCS (2335082-BS2)

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

## Matrix Spike (2335082-MS2)

Source: E308234-27

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.5	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			

## Matrix Spike Dup (2335082-MSD2)

Source: E308234-27

Prepared: 09/01/23 Analyzed: 09/01/23

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130	0.276	20	
Surrogate: Bromofluorobenzene	0.615		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2335097-BLK1)</b>					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			

<b>LCS (2335097-BS1)</b>					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	221	25.0	250		88.6	38-132			
Surrogate: n-Nonane	40.3		50.0		80.6	50-200			

<b>Matrix Spike (2335097-MS1)</b>					<b>Source: E308234-05</b>		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	257	25.0	250	32.2	89.9	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			

<b>Matrix Spike Dup (2335097-MSD1)</b>					<b>Source: E308234-05</b>		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	257	25.0	250	32.2	90.0	38-132	0.147	20	
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  9/5/2023 3:00:10PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

<b>Blank (2335099-BLK1)</b>					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			

<b>LCS (2335099-BS1)</b>					Prepared: 09/01/23 Analyzed: 09/01/23				
Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			

<b>Matrix Spike (2335099-MS1)</b>					<b>Source: E308234-25</b>		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.2	38-132			
Surrogate: n-Nonane	46.1		50.0		92.2	50-200			

<b>Matrix Spike Dup (2335099-MSD1)</b>					<b>Source: E308234-25</b>		Prepared: 09/01/23 Analyzed: 09/01/23		
Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.4	38-132	1.91	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  9/5/2023 3:00:10PM
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Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2335088-BLK1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	ND	20.0							
LCS (2335088-BS1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2335088-MS1)					Source: E308234-01		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	440	20.0	250	180	104	80-120			
Matrix Spike Dup (2335088-MSD1)					Source: E308234-01		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	441	20.0	250	180	104	80-120	0.154	20	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  9/5/2023 3:00:10PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2335089-BLK1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	ND	20.0							
LCS (2335089-BS1)					Prepared: 08/31/23 Analyzed: 09/01/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2335089-MS1)					Source: E308234-21		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	638	20.0	250	425	85.4	80-120			
Matrix Spike Dup (2335089-MSD1)					Source: E308234-21		Prepared: 08/31/23 Analyzed: 09/01/23		
Chloride	697	20.0	250	425	109	80-120	8.71	20	

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





Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/05/23 15:00

- L2The LCS spike recovery was above acceptance limits. This analyte was not detected in the sample.
- M7Matrix Spike was outside the acceptance limits.
- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

## Chain of Custody


 Work Order No: E308234  
 Job # 01058-0007
Page 1 of 4

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

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

Project Name:	Thistle Unit #46H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush			Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H <sub>2</sub> O							
Project Location:	Lea Co. NM		Due Date: 48hr								Cool: Cool		MeOH: Me							
Sampler's Name:	Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm								HCL: HC		HNO <sub>3</sub> : HN							
PO #:	21211758										H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na							
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:																	
Cooler Custody Seals:		Yes No N/A	Correction Factor:																	
Sample Custody Seals:		Yes No N/A	Temperature Reading:		4															
Total Containers:				Corrected Temperature:																
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-66	8/30/2023		x		Comp	1	x	x	x											
CS-81	8/30/2023		x		Comp	1	x	x	x											
CS-82	8/30/2023		x		Comp	1	x	x	x											
CS-83	8/30/2023		x		Comp	1	x	x	x											
CS-84	8/30/2023		x		Comp	1	x	x	x											
CS-85	8/30/2023		x		Comp	1	x	x	x											
CS-86	8/30/2023		x		Comp	1	x	x	x											
CS-87	8/30/2023		x		Comp	1	x	x	x											
CS-88	8/30/2023		x		Comp	1	x	x	x											
CS-89	8/30/2023		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
<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 10:25	<i>[Signature]</i>	<i>[Signature]</i>	8/31/23 2:00
<i>[Signature]</i>	<i>[Signature]</i>	9/1/23 5:45			





## Chain of Custody

 Work Order No: E308234  
 Job # 01058-0007

Page 2 of 4

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

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

Project Name:		Thistle Unit #46H		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O			
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me			
Sampler's Name:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN			
PO #:		21211758																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
CS-90		8/30/2023		x		Comp	1	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500													11		
CS-91		8/30/2023		x		Comp	1														12		
CS-92		8/30/2023		x		Comp	1														13		
CS-93		8/30/2023		x		Comp	1														14		
CS-94		8/30/2023		x		Comp	1														15		
CS-95		8/30/2023		x		Comp	1														16		
CS-96		8/30/2023		x		Comp	1														17		
CS-97		8/30/2023		x		Comp	1														18		
CS-98		8/30/2023		x		Comp	1														19		
CS-99		8/30/2023		x		Comp	1														20		

## Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1 <i>DM</i>		<i>Michelle Eung</i>		8-31-23 10:25		2 <i>Michelle Eung</i>		<i>Andrew Messo</i>		8-31-23 2:00	
3 <i>Andrew Messo</i>		<i>Carla Man</i>		9/1/23 5:45		4					
5						6					



## Chain of Custody


 Work Order No: E308234  
 Job # 01058-0007
Page 3 of 4

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

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

Project Name:		Thistle Unit #46H		Turn Around				ANALYSIS REQUEST												Preservative Codes	
Project Number:	237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code													None: NO DI Water: H <sub>2</sub> O			
Project Location:	Lea Co. NM		Due Date:		48hr													Cool: Cool MeOH: Me			
Sampler's Name:	Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO <sub>3</sub> : HN				
PO #:	21211758																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:														NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:		Yes No N/A	Correction Factor:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:		Yes No N/A	Temperature Reading:		4													Zn Acetate+NaOH: Zn			
Total Containers:				Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-100		8/30/2023		x		Comp	1	x	x	x								21			
CS-101		8/30/2023		x		Comp	1	x	x	x								22			
CS-102		8/30/2023		x		Comp	1	x	x	x								23			
CS-103		8/30/2023		x		Comp	1	x	x	x								24			
CS-104		8/30/2023		x		Comp	1	x	x	x								25			
CS-105		8/30/2023		x		Comp	1	x	x	x								26			
CS-106		8/30/2023		x		Comp	1	x	x	x								27			
SW-1B		8/30/2023		x		Comp	1	x	x	x								28			
SW-7B		8/30/2023		x		Comp	1	x	x	x								29			
SW-13B		8/30/2023		x		Comp	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
1 <i>[Signature]</i>	<i>Michelle Cuyler</i>	8/31/23 10:25	<i>Michelle Cuyler</i>	<i>Andrew Messo</i>	8.31.23 2:00
3 <i>Andrew Messo</i>	<i>Caeth M...</i>	9/1/23 5:45			
5					





## Chain of Custody

 Work Order No: E308234  
 Job # 01058-0007
Page 4 of 4

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

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

Project Name:		Thistle Unit #46H		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location:		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me							
Sampler's Name:		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN							
PO #:		21211758																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:																NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn							
Total Containers:				Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
SW-15B		8/30/2023				x				Comp		1		x x x												31	
SW-16B		8/30/2023				x				Comp		1		x x x												32	
SW-17B		8/30/2023				x				Comp		1		x x x												33	
SW-18B		8/30/2023				x				Comp		1		x x x												34	
SW-20B		8/30/2023				x				Comp		1		x x x												35	
SW-42		8/30/2023				x				Comp		1		x x x												36	
SW-47		8/30/2023				x				Comp		1		x x x												37	
SW-48		8/30/2023				x				Comp		1		x x x												38	

## Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>Andra m-440</i>	<i>Michelle Gung</i>	8/31/23 10:25	2 <i>Michelle Gung</i>	<i>Andra m-440</i>	8/31/23 2:00
3 <i>Andra m-440</i>	<i>Carth Man</i>	9/1/23 5:45	4		
5			6		

## Envirotech Analytical Laboratory

Printed: 9/1/2023 10:07:54AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	09/01/23 05:45	Work Order ID:	E308234
Phone:	(281) 872-9300	Date Logged In:	08/31/23 14:16	Logged In By:	Caitlin Mars
Email:	esessums@ntglobal.com	Due Date:	09/05/23 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.





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

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July 21, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE 44 AND 46

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 50.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTX	<0.300	0.300	07/19/2023	ND						

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

Chloride, 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	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 158 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 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	1660	16.0	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/20/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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	07/19/2023	ND	1.96	97.9	2.00	2.73		
Toluene*	<0.050	0.050	07/19/2023	ND	1.92	96.2	2.00	0.972		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.91	95.5	2.00	2.21		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.20	103	6.00	2.02		
Total BTX	<0.300	0.300	07/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 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	5200	16.0	07/20/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 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	976	16.0	07/20/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	07/20/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/20/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	0.00	

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

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 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	1300	16.0	07/20/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 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	448	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

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

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

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

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, 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	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	07/20/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	164	82.0	200	1.24	
DRO >C10-C28*	14.9	10.0	07/20/2023	ND	187	93.4	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	07/20/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

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

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	07/20/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

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

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

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

**Sample ID: CS - 65 1' (H233760-65)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	173	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	47.9	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: CS - 66 1' (H233760-66)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	935	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	221	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 1 0-2.5' (H233760-67)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	4170	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	1440	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 183 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 2 0-2.5' (H233760-68)**

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02		
DRO >C10-C28*	115	10.0	07/21/2023	ND	158	79.1	200	5.20		
EXT DRO >C28-C36	29.0	10.0	07/21/2023	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 3 0-2.5' (H233760-69)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, 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	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	16.0	10.0	07/21/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 4 0-2.5' (H233760-70)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	20.8	10.0	07/21/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 5 0-2.5' (H233760-71)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	235	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	36.2	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 6 0-2.5' (H233760-72)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	288	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	108	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 7 0-2.5' (H233760-73)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	210	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	56.4	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 8 0-2.5' (H233760-74)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	2460	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	595	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 9 0-2.5' (H233760-75)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	07/20/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	799	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	271	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 10 0-2.5' (H233760-76)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/20/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	138	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	79.7	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 11 0-2.5' (H233760-77)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	07/20/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	488	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	187	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 12 0-2.5' (H233760-78)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	349	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	124	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	07/19/2023	Sampling Date:	07/19/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	THISTLE 44 AND 46	Sampling Condition:	Cool & Intact
Project Number:	226502	Sample Received By:	Shari Cisneros
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 13 0-2.5' (H233760-79)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70	
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403	
Ethylbenzene*	0.093	0.050	07/20/2023	ND	2.24	112	2.00	1.13	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413	
Total BTEx	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7400	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.9	10.0	07/20/2023	ND	157	78.5	200	5.02	
DRO >C10-C28*	3790	10.0	07/20/2023	ND	158	79.1	200	5.20	
EXT DRO >C28-C36	769	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 14 0-2.5' (H233760-80)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	42.5	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	16.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 15 0-2.5' (H233760-81)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	212	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	52.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 16 0-2.5' (H233760-82)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	104	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	45.6	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 17 0-2.5' (H233760-83)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	2.18	109	2.00	2.70		
Toluene*	<0.050	0.050	07/20/2023	ND	2.08	104	2.00	0.403		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	2.24	112	2.00	1.13		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.71	112	6.00	0.413		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	3610	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	970	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 18 0-5' (H233760-84)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	71.5	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	25.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 19 0-5' (H233760-85)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, 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	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	96.0	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	35.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 20 0-1' (H233760-86)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTX	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	752	16.0	07/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	449	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	195	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 21 0-3' (H233760-87)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	3360	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	2030	10.0	07/21/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	670	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 22 2.5-5' (H233760-88)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 23 3-5' (H233760-89)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	20.2	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 24 1-5' (H233760-90)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07		
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63		
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62		
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34		
Total BTEx	<0.300	0.300	07/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	07/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	800	10.0	07/20/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	270	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 07/19/2023  
 Reported: 07/21/2023  
 Project Name: THISTLE 44 AND 46  
 Project Number: 226502  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW - 25 (H233760-91)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.98	98.8	2.00	3.07	
Toluene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	3.63	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.91	95.6	2.00	2.62	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	6.20	103	6.00	2.34	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	480	16.0	07/20/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	165	82.6	200	2.48	
DRO >C10-C28*	1150	10.0	07/21/2023	ND	173	86.6	200	1.90	
EXT DRO >C28-C36	330	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H233760Page 1 of 10

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	T-15th 44 and 46		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	226502		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush															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>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC					
Project Location:	Eddy Co NM		Due Date:	4/8/24																			
Sampler's Name:	K5145T		TAT starts the day received by the lab, if received by 4:30pm																				
PO #:	20945551																						
SAMPLE RECEIPT																							
Received In tact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			
Cooler Custody Seals:	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	140																			
Sample Custody Seals:	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	3.2°C																			
Total Containers:																							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
CS-1 2.5'	7/19/23	12:00	X		C	1	X	X	X														
CS-2 2.5'		12:03																					
CS-3 2.5'		12:07																					
CS-4 2.5'		12:06																					
CS-5 2.5'		12:08																					
CS-6 2.5'		12:10																					
CS-7 2.5'		12:12																					
CS-8 2.5'		12:14																					
CS-9 2.5'		12:16																					
CS-10 2.5'		12:18																					

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 15:15			





Chain of Custody

Work Order No. HA2337100

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle 44 and 46	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	4/8/11
Project Number:					
Project Location:	Eddy Co NM				
Sampler's Name:	KS+JT				
PO #:		TAT starts the day received by the lab, if received by 4:30pm			
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 In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.2°C	4/4/10	
Total Containers:		Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-11	2.5'	7/19/13	12:20	X		1	BTEX 8021B		None: NO	DI Water: H <sub>2</sub> O
CS-12	2.5'		12:22			X	TPH 8015M ( GRO + DRO + MRO)		Cool: Cool	MeOH: Me
CS-13	2.5'		12:24			X	Chloride 4500		HCL: HC	HNO <sub>3</sub> : HN
CS-14	2.5'		12:26						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
CS-15	2.5'		12:28						H <sub>3</sub> PO <sub>4</sub> : HP	
CS-16	2.5'		12:30						NaHSO <sub>4</sub> : NABIS	
CS-17	2.5'		12:32						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>	
CS-18	2.5'		12:34						Zn Acetate+NaOH: Zn	
CS-19	2.5'		12:36						NaOH+Ascorbic Acid: SAPC	
CS-20	2.5'		12:38							

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/13 15:15			





Chain of Custody

Work Order No: H2337100

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carsbad, 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"/> Unfund <input type="checkbox"/>	State of Project:
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	<u>Thistle #844 and 46</u>	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush
Project Number:		Due Date:	<u>46 hr</u>
Project Location:	<u>Eddy Co NM</u>	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	<u>KS + ST</u>		
PO #:			

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Correction Factor:	Temperature Reading:	Corrected Temperature:	Parameters	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								BTEX 8021B	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								TPH 8015M ( GRO + DRO + MRO)	
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								Chloride 4500	
Total Containers:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								HOLD	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes		Sample Comments
CS-21	2.5'	7/19/23	12:40	X			X	X	X										
CS-22	2.5'		12:42																
CS-23	2.5'		12:44																
CS-24	2.5'		12:46																
CS-25	2.5'		12:48																
CS-26	2.5'		12:50																
CS-27	2.5'		12:52																
CS-28	2.5'		12:54																
CS-29	2.5'		12:56																
CS-30	2.5'		12:58																

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>	7/19/23 15:15			





Chain of Custody

Work Order No: 4233760

Page 4 of 10

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-268-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund	State of Project:
Reporting Level: <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: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	<u>Thistle 44 and 46</u>		Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:			Due Date:	<u>4/8/11</u>														None: NO DI Water: H <sub>2</sub> O		
Project Location:	<u>Eddy Co NM</u>		TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool MeOH: Me		
Sampler's Name:	<u>KS45T</u>																	HCL: HC HNO <sub>3</sub> : HN		
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECEIPT			Temp Blank:	Yes <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 In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	<u>140</u>														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>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:	<u>3.2C</u>														Zn Acetate+NaOH: Zn		
Total Containers:			Corrected Temperature:	<u>4.14C</u>														NaOH+Ascorbic Acid: SAsPC		

Sample Identification	Date	Time	Soil	Water	Grb/Comp	# of Cont	Parameters	ANALYSIS REQUEST												Preservative Codes		Sample Comments
CS-31	2.5'	7/19/05	1:00	X		1	X	BTEX 8021B														
CS-32	2.5'		1:02				X	TPH 8015M ( GRO + DRO + MRO)														
CS-33	2.5'		1:04				X	Chloride 4500														
CS-34	2.5'		1:06				X															
CS-35	2.5'		1:08				X															
CS-36	2.5'		1:10				X															
CS-37	2.5'		1:12				X															
CS-38	2.5'		1:14				X															
CS-39	2.5'		1:16				X															
CS-40	2.5'		1:18				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>7/19/05 5:15</u>			





Chain of Custody

Work Order No: H233760

Page 5 of 10

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Matthews@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Twist 44+46		Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:			Due Date:	4/8/1														None: NO DI Water: H <sub>2</sub> O				
Project Location:	Eddy Co NM		TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool MeOH: Me				
Sampler's Name:	KS+ST																	HCL: HC HNO <sub>3</sub> : HN				
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP				
Received Intact:			Thermometer ID:	140														NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:			Correction Factor:															Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:			Temperature Reading:	3.2C #140														Zn Acetate+NaOH: Zn				
Total Containers:			Corrected Temperature:															NaOH+Ascorbic Acid: SAPC				
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-41 2.5'			7/19/23	1:20	X		C	1	BTEX 8021B													
CS-42 2.5'				1:22					TPH 8015M ( GRO + DRO + MRO)													
CS-43 2.5'				1:24					Chloride 4500													
CS-44 2.5'				1:26																		
CS-45 2.5'				1:29																		
CS-46 2.5'				1:30																		
CS-47 2.5'				1:32																		
CS-48 2.5'				1:34																		
CS-49 2.5'				1:36																		
CS-50 2.5'				1:38																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 15:15			





Chain of Custody

Work Order No: 142337100

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Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	State of Project:
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Twist 44 and 46	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:		Due Date:	4/6/15														None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Sample Location:	East of NM	TAT starts the day received by the lab, if received by 4:30pm																
Sampler's Name:	KS + JF																	
PO #:																		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes
CS-51 2.5'	7/19/23	1:40	X				BTEX 8021B		
CS-52 2.5'		1:42					TPH 8015M ( GRO + DRO + MRO)		
CS-53 2.5'		1:44					Chloride 4500		
CS-54 2.5'		1:46							
CS-55 2.5'		1:48							
CS-56 5'		1:50							
CS-57 5'		1:52							
CS-58 5'		1:54							
CS-59 3'		1:56							
CS-60 3'		1:58							

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 15:15			





Chain of Custody

Work Order No:

4233760

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Page 100 of 103

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Tusale 44 and 46		Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:			Due Date:	4/6/11														None: NO DI Water: H <sub>2</sub> O				
Project Location:	Eddy Co NM		TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool MeOH: Me				
Sampler's Name:	KS + ST																	HCL: HC HNO <sub>3</sub> : HN				
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na				
SAMPLE RECEIPT			Temp Blank:	Yes <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 In tact:	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:															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:	32.0 #111D														Zn Acetate+NaOH: Zn				
Total Containers:			Corrected Temperature:															NaOH+Ascorbic Acid: SAPC				
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1 5'			7/19/13	2:00	X			1	X	X	X											
CS-62 5'				2:02																		
CS-63 5'				2:04																		
CS-64 3'				2:06																		
CS-65 1'				2:09																		
CS-66 1'				2:10																		
SW-1 0-2.5'				2:17																		
SW-2 0-2.5'				2:14																		
SW-3 0-2.5'				2:16																		
SW-4 0-2.5'				2:18																		

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/13 15:15			





Chain of Custody

Work Order No: 4233760

Page 8 of 10

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund	State of Project:
Reporting Level: <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: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	<u>Twist 44 and 46</u>		Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	<u>Edley Co NM</u>		Due Date:	<u>4/8/14</u>														None: NO DI Water: H <sub>2</sub> O		
Sampler's Name:	<u>KS/JS</u>		TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool MeOH: Me		
PO #:																		HCL: HC HNO <sub>3</sub> : HN		
SAMPLE RECEIPT			Temp Blank:	Yes <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	
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	<u>140</u>														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:	<u>3.2°C #140</u>														Zn Acetate+NaOH: Zn		
Total Containers:			Corrected Temperature:	<u>---</u>														NaOH+Ascorbic Acid: SAPC		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Sample Comments
SW-5 (0-2.5')	7/19/13	2:20	X		C	1	X	X	X										
SW-6 (0-2.5')		2:22																	
SW-7		2:24																	
SW-8		2:26																	
SW-9		2:28																	
SW-10		2:30																	
SW-11		2:32																	
SW-12		2:34																	
SW-13		2:36																	
SW-14		2:39																	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>7/19/13 5:15</u>			





Chain of Custody

Work Order No: 4233760Page 9 of 10

Project Manager:		Ethan Sessums		Bill to: (if different)		Wesley Mathews	
Company Name:		NTG Environmental		Company Name:		Devon Energy	
Address:		402 E Wood Ave		Address:		6488 Seven Rivers Highway	
City, State ZIP:		Carlsbad, NM 88220		City, State ZIP:		Artesia, NM 88210	
Phone:		254-266-5456		Email:		Wesley.Mathews@devon.com	

Project Name:	Thistle 44 and 46		Turn Around		Pres. Code	ANALYSIS REQUEST											
Project Number:			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														
Project Location:	Eddy Co NM		Due Date:		4/8/19												
Sampler's Name:			TAT starts the day received by the lab, if received by 4:30pm														
PO #:																	

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140					BTEX 8021B
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:						TPH 8015M ( GRO + DRO + MRO )
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	3.20 °F					Chloride 4500
Total Containers:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:						

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												Preservative Codes
SW-15 (0-2.5')	7/19/23	2:40	X		C	1	X	X	X								None: NO	DI Water: H <sub>2</sub> O	
SW-16		2:42															Cool: Cool	MeOH: Me	
SW-17		2:43															HCL: HC	HNO <sub>3</sub> : HN	
SW-18 (0-5')		2:44															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SW-19 (0-5')		2:45															H <sub>3</sub> PO <sub>4</sub> : HP		
SW-20 (0-1')		2:46															NaHSO <sub>4</sub> : NABIS		
SW-22 (0-3')		2:47															Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
SW-22 (2.5-5')		2:48															Zn Acetate+NaOH: Zn		
SW-23 (3-5')		2:49															NaOH+Ascorbic Acid: SAPC		
SW-24 (1-5')		2:50																	

Additional Comments:	
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/19/23 15:15			



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 103 of 103

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 03, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 13:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 1 4' (H234053-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	188	93.9	200	6.28	
DRO >C10-C28*	34.5	10.0	08/02/2023	ND	199	99.4	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 4' (H234053-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 4' (H234053-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 4 4' (H234053-04)**

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	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 5 4' (H234053-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=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: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 6 4' (H234053-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 7 4' (H234053-07)**

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	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 8 4' (H234053-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 9 4' (H234053-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 11 4' (H234053-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 13 4' (H234053-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, 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	08/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 14 4' (H234053-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 15 4' (H234053-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/02/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 17 4' (H234053-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=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: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 18 4' (H234053-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 20 4' (H234053-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 21 4' (H234053-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, 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	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 22 4' (H234053-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 23 4' (H234053-19)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 24 4' (H234053-20)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	4.78	
Toluene*	<0.050	0.050	08/02/2023	ND	2.08	104	2.00	5.19	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.12	106	2.00	3.78	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.39	106	6.00	4.23	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3800	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 25 4' (H234053-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, 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	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	165	82.3	200	0.428	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	163	81.7	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 27 4' (H234053-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 29 4' (H234053-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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\*=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: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 31 4' (H234053-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 32 4' (H234053-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	177	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	58.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 33 4' (H234053-27)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 35 4' (H234053-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 37 4' (H234053-29)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 38 4' (H234053-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 39 4' (H234053-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 40 4' (H234053-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 42 4' (H234053-33)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/02/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/02/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 45 4' (H234053-34)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, 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	08/02/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 46 4' (H234053-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	08/02/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 47 4' (H234053-36)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 49 4' (H234053-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 50 4' (H234053-38)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 51 4' (H234053-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41	
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 52 4' (H234053-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 53 4' (H234053-41)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.11	105	2.00	5.41		
Toluene*	<0.050	0.050	08/03/2023	ND	1.99	99.5	2.00	4.95		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.05	103	2.00	5.40		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.08	101	6.00	5.78		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4040	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	171	85.4	200	0.556	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	3.92	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 55 4' (H234053-42)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 59 5' (H234053-43)**

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	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	31.3	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 60 5' (H234053-44)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 64 5' (H234053-45)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, 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	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 65 2' (H234053-46)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	234	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	40.8	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 1A 0-4' (H234053-47)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 2A 0-4' (H234053-48)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	14.3	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 5A 0-4' (H234053-49)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6A 0-4' (H234053-50)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 7A 0-4' (H234053-51)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	08/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 8A 0-4' (H234053-52)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 9A 0-4' (H234053-53)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 10A 0-4' (H234053-54)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/02/2023	ND	416	104	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 11A 0-4' (H234053-55)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 12A 0-4' (H234053-56)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/02/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 13A 0-4' (H234053-57)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 15A 0-4' (H234053-58)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4040	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 16A 0-4' (H234053-59)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, 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	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 17A 0-4' (H234053-60)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/02/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 18A 0-5' (H234053-61)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.14	107	2.00	4.41	
Toluene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	6.28	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.10	105	2.00	3.72	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.31	105	6.00	4.11	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/02/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	172	86.0	200	6.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	180	90.0	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 19A 0-5' (H234053-62)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 20A 0-2' (H234053-63)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	12.8	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 21A 0-5' (H234053-64)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/02/2023	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	37.3	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 24A 2-5' (H234053-65)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	170	85.0	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	184	92.0	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/01/2023  
 Reported: 08/03/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 66 2' (H234053-67)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642	
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697	
Total BTEX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	08/02/2023	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	71.1	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	28.4	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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.
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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\*=Accredited Analyte

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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: 4234053

Page 1 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Thistle Unit #46		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co. NM		Due Date:		48hr														Cool: Cool MeOH: Me							
Sampler's Name:		Helena Smith Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN							
PO #:																				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na							
SAMPLE RECEIPT		Temp Blank:		Yes <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 In tact:		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"/> N/A		Correction Factor:		1.35														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:		47		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-1 4'		8/1/2023				X				Comp		1		X													
CS-2 4'		8/1/2023				X				Comp		1		X													
CS-3 4'		8/1/2023				X				Comp		1		X													
CS-4 4'		8/1/2023				X				Comp		1		X													
CS-5 4'		8/1/2023				X				Comp		1		X													
CS-6 4'		8/1/2023				X				Comp		1		X													
CS-7 4'		8/1/2023				X				Comp		1		X													
CS-8 4'		8/1/2023				X				Comp		1		X													
CS-9 4'		8/1/2023				X				Comp		1		X													
CS-11 4'		8/1/2023				X				Comp		1		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 \$95.00 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>	8-1-23 1354			





Chain of Custody

Work Order No: H234053

Page 2 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@devon.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: <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: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit #46	Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237481	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO    DI Water: H <sub>2</sub> O		
Project Location:	Lea Co. NM	Due Date:	48hr													Cool: Cool    MeOH: Me		
Sampler's Name:	Helen Smith Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC    HNO <sub>3</sub> : HN		
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes <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 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>3</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:	67	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Parameters												Sample Comments	
CS-13 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-14 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-15 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-17 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-18 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-20 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-21 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-22 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-23 4'	8/1/2023		X		Grab/	1	X	X	X	X										
CS-24 4'	8/1/2023		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
		8-1-23 1354			





Chain of Custody

Work Order No:

H234053

Page 3 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dev.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperfund <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:	This site Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237481		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush															None: NO Cool: Cool HCL: HC H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Project Location:	Lea Co. NM		Due Date:	48hr																
Sampler's Name:	Adrian Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																	
PO #:																				
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	1.32																	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																		
Total Containers:	67	Corrected Temperature:																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-25 4'	8/1/2023		X		Comp	1	X	X	X											
CS-27 4'	8/1/2023		X		Comp	1	X	X	X											
CS-29 4'	8/1/2023		X		Comp	1	X	X	X											
CS-30 4'	8/1/2023		X		Comp	1	X	X	X											
CS-31 4'	8/1/2023		X		Comp	1	X	X	X											
CS-32 4'	8/1/2023		X		Comp	1	X	X	X											
CS-33 4'	8/1/2023		X		Comp	1	X	X	X											
CS-35 4'	8/1/2023		X		Comp	1	X	X	X											
CS-37 4'	8/1/2023		X		Comp	1	X	X	X											
CS-38 4'	8/1/2023		X		Comp	1	X	X	X											

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8-1-23 1334			





## Chain of Custody

Work Order No: A234053

Page 4 of 7

Project Manager:	Elthan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	<a href="mailto:Wesley.Mathews@dyn.com">Wesley.Mathews@dyn.com</a>



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Thistle Unit #46		Turn Around		Pres. Code		ANALYSIS REQUEST								Preservative Codes					
Project Number:		237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None: NO		DI Water: H <sub>2</sub> O	
Project Location		Lea Co. NM		Due Date:		48hr												Cool: Cool		MeOH: Me	
Sampler's Name		Hella Smith Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC		HNO <sub>3</sub> : HN	
PO #																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
SAMPLE RECEIPT		Temp Blank:		Yes <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:				1.52										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:				1.52										Zn Acetate+NaOH: Zn			
Total Containers:		61		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			

[illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. 		8-1-23 1354	2.		
3.			4.		
5.			6.		





Chain of Custody

Work Order No: H234053

Page 5 of 7

Project Manager:	Ethan Sessums	Bill To: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dvn.com

Work Order Comments	
Program: UST/PRP <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> UST/PRP <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	237481		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		48hr													None: NO
Project Location	Lea Co. NM		Due Date:		48hr													Cool: Cool	MeOH: Me
Sampler's Name:	Hella Smith Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO <sub>3</sub> : HN
PO #:																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	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 In tact:	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:	1.32															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:	1.32															Zn Acetate+NaOH: Zn	
Total Containers:	67	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments	
CS-53 4'	8/1/2023		X		Comp	1	X	X	X	X										
CS-55 4'	8/1/2023		X		Comp	1	X	X	X	X										
CS-59 5'	8/1/2023		X		Comp	1	X	X	X	X										
CS-60 5'	8/1/2023		X		Comp	1	X	X	X	X										
CS-64 5'	8/1/2023		X		Comp	1	X	X	X	X										
CS-65 2'	8/1/2023		X		Comp	1	X	X	X	X										
SW-1A 0.4'	8/1/2023		X		Comp	1	X	X	X	X										
SW-2A 0.4'	8/1/2023		X		Comp	1	X	X	X	X										
SW-5A 0.4'	8/1/2023		X		Comp	1	X	X	X	X										
SW-6A 0.4'	8/1/2023		X		Comp	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
		8-1-23 1354			





Chain of Custody

Work Order No: H234053

Page 6 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley Mathews@dvn.com

Work Order Comments	
Program: <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperturbed <input type="checkbox"/>	
State of Project:	
Reporting Level: <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: <input type="checkbox"/> EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Thistle Unit #46		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	237481		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush		48hr											None: NO	DI Water: H <sub>2</sub> O
Project Location	Lea Co. NM		Due Date:		48hr											Cool: Cool	MeOH: Me	
Sampler's Name:	Lea Smith		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC	HNO <sub>3</sub> : HN	
PO #:																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT	Temp Blank:	Yes <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:	140													NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	1.36													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:	1.36													Zn Acetate+NaOH: Zn		
Total Containers:	67		Corrected Temperature:														NaOH+Ascorbic Acid: SARC	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters										Sample Comments
SW-7A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-8A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-9A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-10A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-11A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-12A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-13A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-15A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-16A 0-4'	8/1/2023		X		Comp	1	X	X	X	X							
SW-17A 0-4'	8/1/2023		X		Comp	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
		8-1-23 1334			





## Chain of Custody

Work Order No: 4234053

Page 7 of 7

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	<a href="mailto:Wesley.Mathews@dvn.com">Wesley.Mathews@dvn.com</a>



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> FRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="text"/>	

Project Name:			Thistle Unit #46		Turn Around		ANALYSIS REQUEST										Preservative Codes									
Project Number:			237481		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Due Date:		48hr		Pres. Code												None: NO		DI Water: H <sub>2</sub> O	
Project Location			Lea Co. NM																				Cool: Cool		MeOH: Me	
Sampler's Name:			Edla Smith-Jordan Tyrner																				HCL: HC		HNO <sub>3</sub> : HN	
PO #																							H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
SAMPLE RECEIPT			Temp Blank:		Yes <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"/> N/A				Correction Factor:		1.36														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"/> N/A				Temperature Reading:		1.36														Zn Acetate+NaOH: Zn			
Total Containers:			67				Corrected Temperature:																NaOH+Ascorbic Acid: SARC			
Parameters																										
BTEx 8021B																										
H 8015M ( GRO + DRO + MRO)																										
Chloride 4500																										
HOLD																										

[illegible]

Additional Comments:

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			8-1-23 1:35 PM			
2						
3						
4						
5						



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---

August 07, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 14:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 67 (4') (H234131-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 68 (4') (H234131-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 69 (4') (H234131-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 70 (4') (H234131-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 71 (4') (H234131-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 72 (2') (H234131-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, 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	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 135 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 26 (0-4') (H234131-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 27 (0-4') (H234131-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 28 (0-4') (H234131-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	08/07/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	16.6	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 29 (0-4') (H234131-10)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	0.682	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	0.860	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	7.76	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	9.31	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 216 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	380	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	5840	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	1120	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 136 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 30 (H234131-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
<b>Total Xylenes*</b>	<b>0.159</b>	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	08/07/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.9	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	641	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	175	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 31 (H234131-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	08/07/2023	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	10.5	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 32 (H234131-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	587	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	174	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
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 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 33 (H234131-14)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 34 (H234131-15)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99		
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	39.2	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 35 (H234131-16)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 36 (H234131-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 37 (H234131-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	163	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	36.1	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 38 (H234131-19)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEx	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	08/07/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 39 (H234131-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.01	100	2.00	3.99	
Toluene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.92	95.9	2.00	3.82	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.72	95.4	6.00	2.30	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/05/2023	ND	165	82.4	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/05/2023	ND	173	86.5	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	08/05/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 40 (H234131-21)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63	
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 41 (H234131-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, 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	08/07/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/03/2023  
 Reported: 08/07/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 08/03/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 73 (H234131-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	2.06	103	2.00	2.63		
Toluene*	<0.050	0.050	08/05/2023	ND	1.96	98.2	2.00	1.45		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.03	102	2.00	1.88		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.96	99.4	6.00	2.77		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	172	85.8	200	7.15	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	163	81.6	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTB Environmental		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>						
<b>Project Manager:</b> Ethan Sevens		<b>P.O. #:</b>								
<b>Address:</b> 209 W McKinley St		<b>Company:</b> Deen Energy								
<b>City:</b> Carlsbad		<b>Attn:</b> Mrs Matthews								
<b>State:</b> NM <b>zip:</b> 88220		<b>Address:</b> 6488 Seun Run								
<b>Phone #:</b> 254-266-5456 <b>Fax #:</b>		<b>City:</b> Artesia								
<b>Project #:</b> 237481 <b>Project Owner:</b> DEUON		<b>State:</b> NM <b>zip:</b> 88210								
<b>Project Name:</b> Thistle Unit #46		<b>Phone #:</b>								
<b>Project Location:</b> Lea Co, NM		<b>Fax #:</b>								
<b>Sampler Name:</b> Kellen Smith										
<small>FOR LAB USE ONLY</small>										
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP</b>	<b># CONTAINERS</b>	<b>MATRIX</b>	<b>PRESERV</b>	<b>SAMPLING</b>	<b>DATE</b>	<b>TIME</b>		
H234131	CS - 67 (4')		1	GROUNDWATER			8/3/23		X	BTEX 8021 B
1	CS - 68 (4')			WASTEWATER					X	TPH 8015M (Good vol)
2	CS - 69 (4')			SOIL	X				X	Chloride 4500
3	CS - 70 (4')			OIL						
4	CS - 71 (4')			SLUDGE						
5	CS - 72 (2')			OTHER						
6	SW - 26 (6-4')			ACID/BASE						
7	SW - 27 (6-4')			ICE / COOL	X					
8	SW - 28 (6-4')			OTHER						
9	SW - 29 (6-4')									
10										
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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. "Out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based in, or any of the above stated reasons or otherwise."</small>										
<b>Relinquisher By:</b>		<b>Date:</b> 8-3-23		<b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		<b>All Results are emailed. Please provide Email address:</b>		
<b>Relinquished By:</b>		<b>Time:</b> 1431		<b>Received By:</b>		<b>REMARKS:</b>				
<b>Delivered By: (Circle One)</b>		<b>Observed Temp. °C</b>		<b>Sample Condition</b>		<b>CHECKED BY:</b>		<b>Turnaround Time:</b>		
<b>Sampler - UPS - Bus - Other:</b>		<b>Corrected Temp. °C</b>		<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>(Initials)</b>		<b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>		
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Thermometer ID #140</b>		<b>Bacteria (only)</b> <input type="checkbox"/> <b>Sample Condition</b> <input type="checkbox"/>		
						<b>Correction Factor 0°C</b>		<b>Cool Intact</b> <input type="checkbox"/> <b>Observed Temp. °C</b>		
								<b>Yes</b> <input type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Corrected Temp. °C</b>		

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



**BILL TO**Page 27 of 28



**BILL TO**Page 28 of 28

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August 14, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 08/04/23 13:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 30 (4')	H234165-01	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 74 (2')	H234165-02	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 75 (2')	H234165-03	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 76 (2')	H234165-04	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 77 (0.5')	H234165-05	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 78 (0.5')	H234165-06	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 79 (0.5')	H234165-07	Soil	04-Aug-23 00:00	04-Aug-23 13:14
CS - 80 (0.5')	H234165-08	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 43 (0.5-2')	H234165-09	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 44 (0-0.5')	H234165-10	Soil	04-Aug-23 00:00	04-Aug-23 13:14
SW - 45 (0-0.5')	H234165-11	Soil	04-Aug-23 11:50	04-Aug-23 13:14
SW - 46 (0-0.5')	H234165-12	Soil	04-Aug-23 11:52	04-Aug-23 13:14

08/14/23 - Client changed the sample IDs on some of the samples (see COC). This is the revised report and will replace the one sent on 08/08/23.

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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 30 (4')**  
**H234165-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>176</b>		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	96.7 %	71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane	91.5 %	48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane	99.0 %	49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 74 (2')**  
**H234165-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.2 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			90.5 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.3 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 75 (2')**  
**H234165-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134 3080502 MS 06-Aug-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane 99.3 % 48.2-134 3080440 MS 05-Aug-23 8015B

Surrogate: 1-Chlorooctadecane 106 % 49.1-148 3080440 MS 05-Aug-23 8015B

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 76 (2')**  
**H234165-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 77 (0.5')****H234165-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.9 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			116 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			126 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 78 (0.5')****H234165-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.6 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	11.7		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			106 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 79 (0.5')****H234165-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			96.8 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.6 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**CS - 80 (0.5')**  
**H234165-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>16.0</b>		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.0 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<b>54.9</b>		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<b>17.6</b>		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**SW - 43 (0.5-2')****H234165-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			94.7 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			93.8 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**SW - 44 (0-0.5')****H234165-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			113 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**SW - 45 (0-0.5')****H234165-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			95.7 %	71.5-134		3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			99.8 %	48.2-134		3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**SW - 46 (0-0.5')****H234165-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	3080720	AC	07-Aug-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3080502	MS	06-Aug-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3080502	MS	06-Aug-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			97.0 %		71.5-134	3080502	MS	06-Aug-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3080440	MS	05-Aug-23	8015B	

Surrogate: 1-Chlorooctane			100 %		48.2-134	3080440	MS	05-Aug-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		49.1-148	3080440	MS	05-Aug-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 3080720 - 1:4 DI Water</b>									
<b>Blank (3080720-BLK1)</b>					Prepared & Analyzed: 07-Aug-23				
Chloride	ND	16.0	mg/kg						
<b>LCS (3080720-BS1)</b>					Prepared & Analyzed: 07-Aug-23				
Chloride	416	16.0	mg/kg	400	104	80-120			
<b>LCS Dup (3080720-BSD1)</b>					Prepared & Analyzed: 07-Aug-23				
Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3080502 - Volatiles****Blank (3080502-BLK1)**

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		95.6	71.5-134			

**LCS (3080502-BS1)**

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.18	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.12	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.18	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0467		mg/kg	0.0500		93.5	71.5-134			

**LCS Dup (3080502-BSD1)**

Prepared: 05-Aug-23 Analyzed: 06-Aug-23

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130	0.577	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	86-128	0.949	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.121	16	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129	0.424	16.2	
o-Xylene	2.03	0.050	mg/kg	2.00		101	86.1-125	0.686	16.7	
Total Xylenes	6.19	0.150	mg/kg	6.00		103	88.2-128	0.0618	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0460		mg/kg	0.0500		92.0	71.5-134			

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\*=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  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706

Project: THISTLE UNIT #46  
Project Number: 237481  
Project Manager: ETHAN SESSUMS  
Fax To:

Reported:  
14-Aug-23 15:21

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3080440 - General Prep - Organics****Blank (3080440-BLK1)**

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.2	48.2-134			
Surrogate: 1-Chlorooctadecane	46.5		mg/kg	50.0		93.1	49.1-148			

**LCS (3080440-BS1)**

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	165	10.0	mg/kg	200		82.3	66.4-123			
DRO >C10-C28	167	10.0	mg/kg	200		83.6	66.5-118			
Total TPH C6-C28	332	10.0	mg/kg	400		83.0	77.6-123			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0		91.2	48.2-134			
Surrogate: 1-Chlorooctadecane	52.7		mg/kg	50.0		105	49.1-148			

**LCS Dup (3080440-BSD1)**

Prepared: 04-Aug-23 Analyzed: 05-Aug-23

GRO C6-C10	170	10.0	mg/kg	200		85.2	66.4-123	3.39	17.7	
DRO >C10-C28	166	10.0	mg/kg	200		83.1	66.5-118	0.522	21	
Total TPH C6-C28	337	10.0	mg/kg	400		84.2	77.6-123	1.44	18.5	
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	48.2-134			
Surrogate: 1-Chlorooctadecane	51.2		mg/kg	50.0		102	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

Work Order No. 14234165

Page 1 of 2

Page 19 of 20

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	Wesley.Mathews@dev.com

Work Order Comments	
Program: UST/PT	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Thistle Unit 46	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	237481	Due Date:	48 hr		
Project Location:	Lea Co. NM	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Kellan Smith				
PO #:	21177730				
SAMPLE RECEIPT	Temp Blank:	Yes	No	Well Ice:	Yes
Received In tact:	Yes	No	Thermometer ID:	140	
Cooler Custody Seals:	Yes	No	Correction Factor:		
Sample Custody Seals:	Yes	No	Temperature Reading:	1.4°C	
Total Containers:	12	Corrected Temperature:			
Sample Identification	Date	Time	Soil	Water	Grab/Comp
CS-30 (4')	4-4-23		X		Comp 1
CS-74 (2')					
CS-75 (2')					
CS-76 (2')					
CS-77 (0.5')					
CS-78 (0.5')					
CS-79 (0.5')					
CS-80 (0.5')					
SV-453 (0.5-2')					
SV-484 (0-0.5')			*		
ANALYSIS REQUEST					
Parameters					
BTEX 8021B					
TPH 8015M (GRO + DRO + MRO)					
Chloride 4500					
PRESERVATIVE CODES					
None: NO					
Cool: Cool					
HCL: HC					
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>					
H <sub>3</sub> PO <sub>4</sub> : HP					
NaHSO <sub>4</sub> : NABIS					
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Zn Acetate+NaOH: Zn					
NaOH+Ascorbic Acid: S.A.P.C.					
Sample Comments					

Additional Comments:

\* Customer requested TD changes to 8/11/23

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8-4-23 1314			





14234148



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]

\* Customer requested ID changes. T<sup>o</sup> - 8/11/23

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			8-23 1314			
2						
3						
4						
5						

Revised Date 05/12/20 Rev. 2020



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October 04, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: THISTLE UNIT #46

Enclosed are the results of analyses for samples received by the laboratory on 09/28/23 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 1 (0-6") (H235319-01)**

BTEX 8021B	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>2.58</b>	0.200	10/02/2023	ND	2.07	103	2.00	6.42	
<b>Toluene*</b>	<b>17.8</b>	0.200	10/02/2023	ND	2.17	109	2.00	6.80	QM-07
<b>Ethylbenzene*</b>	<b>5.63</b>	0.200	10/02/2023	ND	2.17	108	2.00	8.26	QM-07
<b>Total Xylenes*</b>	<b>37.1</b>	0.600	10/02/2023	ND	5.93	98.9	6.00	8.99	QM-07
<b>Total BTEX</b>	<b>63.1</b>	1.20	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 276 % 71.5-134

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	10/02/2023	ND	432	108	400	3.64	

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>999</b>	10.0	09/29/2023	ND	189	94.7	200	1.85	
<b>DRO &gt;C10-C28*</b>	<b>6480</b>	10.0	09/29/2023	ND	217	109	200	2.69	
<b>EXT DRO &gt;C28-C36</b>	<b>1510</b>	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 194 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 1 (1-1.5') (H235319-02)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.33	1.00	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	53.0	1.00	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	18.7	1.00	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	80.8	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	157	6.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/02/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1640	10.0	09/29/2023	ND	189	94.7	200	1.85	
DRO >C10-C28*	3760	10.0	09/29/2023	ND	217	109	200	2.69	
EXT DRO >C28-C36	764	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 154 % 48.2-134

Surrogate: 1-Chlorooctadecane 161 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 1 (2-2.5') (H235319-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.65	1.00	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	21.9	1.00	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	9.06	1.00	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	41.0	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	73.6	6.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/02/2023	ND	432	108	400	3.64		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	658	10.0	09/29/2023	ND	189	94.7	200	1.85	
DRO >C10-C28*	1720	10.0	09/29/2023	ND	217	109	200	2.69	
EXT DRO >C28-C36	347	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 166 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 1 (3-3.5') (H235319-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	4.34	1.00	10/02/2023	ND	2.07	103	2.00	6.42		
Toluene*	39.3	1.00	10/02/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	15.5	1.00	10/02/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	73.6	3.00	10/02/2023	ND	5.93	98.9	6.00	8.99		
Total BTEX	133	6.00	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/02/2023	ND	432	108	400	3.64		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1330	10.0	09/29/2023	ND	185	92.4	200	0.410	QM-07, QR-03
DRO >C10-C28*	2930	10.0	09/29/2023	ND	189	94.7	200	2.17	QM-07, QR-03
EXT DRO >C28-C36	456	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 190 % 48.2-134

Surrogate: 1-Chlorooctadecane 197 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 1 (4-4.5') (H235319-05)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.877	0.500	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	12.4	0.500	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	7.64	0.500	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	41.2	1.50	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	62.1	3.00	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/02/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1250	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	3240	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	521	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 199 % 48.2-134

Surrogate: 1-Chlorooctadecane 227 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 2 (0-6") (H235319-06)**

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	10/02/2023	ND	2.07	103	2.00	6.42	
Toluene*	0.064	0.050	10/02/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.93	98.9	6.00	8.99	
Total BTX	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	77.6	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	11.3	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 2 (1-1.5') (H235319-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42	
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	<0.300	0.300	10/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 2 (2-2.5') (H235319-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42	
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99	
Total BTEx	<0.300	0.300	10/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	25.3	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 2 (3-3.5') (H235319-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 2 (4-4.5') (H235319-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 3 (0-6") (H235319-11)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42		
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80		
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26		
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99		
Total BTEx	<0.300	0.300	10/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	1290	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	326	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 3 (1-1.5') (H235319-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2023	ND	2.07	103	2.00	6.42	
Toluene*	<0.050	0.050	10/01/2023	ND	2.17	109	2.00	6.80	
Ethylbenzene*	<0.050	0.050	10/01/2023	ND	2.17	108	2.00	8.26	
Total Xylenes*	<0.150	0.150	10/01/2023	ND	5.93	98.9	6.00	8.99	
Total BTEX	<0.300	0.300	10/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	10/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	920	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	241	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 3 (2-2.5') (H235319-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/29/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/29/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	42.9	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 3 (3-3.5') (H235319-14)**

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	09/29/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/29/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/29/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/29/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	13.3	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 3 (4-4.5') (H235319-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 4 (0-6") (H235319-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEx	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	18.8	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 4 (1-1.5') (H235319-17)**

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	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	1230	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 4 (2-2.5') (H235319-18)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 4 (3-3.5') (H235319-19)**

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	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	1060	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 4 (4-4.5') (H235319-20)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 5 (0-6") (H235319-21)**

BTX 8021B		mg/kg	Analyzed By: JH/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32	
Toluene*	1.31	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75	
Ethylbenzene*	3.27	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77	
Total Xylenes*	16.7	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85	GC-NC1
Total BTX	21.3	0.300	09/30/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 179 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	10/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	452	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	4740	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	801	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 142 % 48.2-134

Surrogate: 1-Chlorooctadecane 231 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 5 (1-1.5') (H235319-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	146	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	22.2	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 5 (2-2.5') (H235319-23)**

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	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	240	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2023	ND	185	92.4	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/29/2023	ND	189	94.7	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	09/29/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 5 (3-3.5') (H235319-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2023	ND	1.87	93.4	2.00	3.32		
Toluene*	<0.050	0.050	09/30/2023	ND	1.88	94.1	2.00	2.75		
Ethylbenzene*	<0.050	0.050	09/30/2023	ND	1.96	98.0	2.00	2.77		
Total Xylenes*	<0.150	0.150	09/30/2023	ND	5.84	97.3	6.00	2.85		
Total BTEX	<0.300	0.300	09/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2023	ND	188	94.1	200	3.30	
DRO >C10-C28*	<10.0	10.0	10/01/2023	ND	188	94.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	10/01/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 09/28/2023  
 Reported: 10/04/2023  
 Project Name: THISTLE UNIT #46  
 Project Number: 237481  
 Project Location: DEVON - LEA CO., NM

Sampling Date: 09/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: V - 5 (4-4.5') (H235319-25)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.01	101	2.00	1.37		
Toluene*	<0.050	0.050	10/02/2023	ND	2.16	108	2.00	2.98		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.17	108	2.00	1.35		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.54	109	6.00	1.11		
Total BTEx	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, 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	10/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2023	ND	188	94.1	200	3.30	
DRO >C10-C28*	<10.0	10.0	10/01/2023	ND	188	94.0	200	6.16	
EXT DRO >C28-C36	<10.0	10.0	10/01/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]





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Page 29 of 30





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

$$\frac{D}{W}$$

Company Name: <b>AT&amp;T Environmental</b>		P.O. #: <b>21777750</b>		ANALYSIS REQUEST	
Project Manager:		Company: <b>Decon</b>			
Address:		Attn:			
City:		Address:			
Phone #:		City:			
State:		State:			
Zip:		Zip:			
Project #:		Project Owner:			
Project Name: <b>Thistle Unit #046</b>		Phone #:			
Project Location:		Fax #:			
Sampler Name:					

FOR LAB USE ONLY					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:	ICE / COOL	OTHER :	
		DATE		TIME	

Turnaround Time:	Standard	Bacteria (only)	Sample Condition	Observed Temp. °C	Corrected Temp. °C
	<input checked="" type="checkbox"/> Rush	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		
Thermometer ID #140					
Correction Factor g°C					

All Results are emailed. Please provide Email address:	Add'l Phone #:	Bacteria (only)	Sample Condition	Observed Temp. °C	Corrected Temp. °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		

Report to:  
Ethan Sessums



# envirotech

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## Analytical Report

NTG-New Tech Global Environmental

Project Name: Thistle Unit #46H

Work Order: E311096

Job Number: 21106-0001

Received: 11/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/14/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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: 11/14/23

Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060



Project Name: Thistle Unit #46H  
Workorder: E311096  
Date Received: 11/13/2023 7:00:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/13/2023 7:00:00AM, under the Project Name: Thistle Unit #46H.

The analytical test results summarized in this report with the Project Name: Thistle Unit #46H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**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  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
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Field Offices:

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**Lynn Jarboe**  
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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:	Thistle Unit #46H	<b>Reported:</b>  11/14/23 14:40
	Project Number:	21106-0001	
	Project Manager:	Ethan Sessums	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 5-5.5'	E311096-01A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 6-6.5'	E311096-02A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 7-7.5'	E311096-03A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.
V-1 8-8.5'	E311096-04A	Soil	11/10/23	11/13/23	Glass Jar, 2 oz.



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 21106-0001  
Project Manager: Ethan Sessums

**Reported:**  
11/14/2023 2:40:00PM

V-1 5-5.5'

E311096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
Surrogate: n-Nonane	107 %	50-200		11/13/23	11/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 21106-0001  
Project Manager: Ethan Sessums

**Reported:**  
11/14/2023 2:40:00PM

V-1 6-6.5'

E311096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		11/13/23	11/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 21106-0001  
Project Manager: Ethan Sessums

**Reported:**  
11/14/2023 2:40:00PM

V-1 7-7.5'

E311096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		11/13/23	11/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Thistle Unit #46H  
Project Number: 21106-0001  
Project Manager: Ethan Sessums

**Reported:**  
11/14/2023 2:40:00PM

V-1 8-8.5'

E311096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Benzene	ND	0.0250	1	11/13/23	11/14/23	
Ethylbenzene	ND	0.0250	1	11/13/23	11/14/23	
Toluene	ND	0.0250	1	11/13/23	11/14/23	
o-Xylene	ND	0.0250	1	11/13/23	11/14/23	
p,m-Xylene	ND	0.0500	1	11/13/23	11/14/23	
Total Xylenes	ND	0.0250	1	11/13/23	11/14/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2346008
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/13/23	11/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		11/13/23	11/14/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2346014
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/23	11/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/13/23	11/14/23	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		11/13/23	11/14/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2346010
Chloride	ND	20.0	1	11/13/23	11/13/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	11/14/2023 2:40:00PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2346008-BLK1) Prepared: 11/13/23 Analyzed: 11/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.4	70-130			

LCS (2346008-BS1) Prepared: 11/13/23 Analyzed: 11/13/23

Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.4	70-130			
Toluene	4.92	0.0250	5.00		98.4	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.75	0.0500	10.0		97.5	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.9	70-130			

Matrix Spike (2346008-MS1) Source: E311076-22 Prepared: 11/13/23 Analyzed: 11/14/23

Benzene	4.98	0.0250	5.00	ND	99.5	54-133			
Ethylbenzene	4.76	0.0250	5.00	ND	95.1	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2346008-MSD1) Source: E311076-22 Prepared: 11/13/23 Analyzed: 11/14/23

Benzene	4.93	0.0250	5.00	ND	98.6	54-133	0.871	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133	0.870	20	
Toluene	4.92	0.0250	5.00	ND	98.5	61-130	0.770	20	
o-Xylene	4.82	0.0250	5.00	ND	96.5	63-131	0.731	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	0.730	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.1	63-131	0.731	20	
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			





QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported:  11/14/2023 2:40:00PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346008-BLK1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

LCS (2346008-BS2)					Prepared: 11/13/23 Analyzed: 11/13/23				
Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

Matrix Spike (2346008-MS2)					Source: E311076-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.7	70-130			

Matrix Spike Dup (2346008-MSD2)					Source: E311076-22		Prepared: 11/13/23 Analyzed: 11/14/23		
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130	1.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	11/14/2023 2:40:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346014-BLK1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.6		50.0		103	50-200			

LCS (2346014-BS1)					Prepared: 11/13/23 Analyzed: 11/14/23				
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

Matrix Spike (2346014-MS1)					Source: E311096-02		Prepared: 11/13/23 Analyzed: 11/14/23		
Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2346014-MSD1)					Source: E311096-02		Prepared: 11/13/23 Analyzed: 11/14/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	1.25	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Thistle Unit #46H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported:  11/14/2023 2:40:00PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2346010-BLK1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	ND	20.0							
LCS (2346010-BS1)					Prepared: 11/13/23 Analyzed: 11/13/23				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2346010-MS1)					Source: E311096-01		Prepared: 11/13/23 Analyzed: 11/14/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2346010-MSD1)					Source: E311096-01		Prepared: 11/13/23 Analyzed: 11/14/23		
Chloride	252	20.0	250	ND	101	80-120	0.155	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.

Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Thistle Unit #46H	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	11/14/23 14:40

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.











21106.0001

Page 1 of 1

Work Order Comments			
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>		
State of Project:			
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

Additional Comments:

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				11-10-23 1115	2				11-10-23 1715
3				11/13/23 7:00	4				
5					6				

## Envirotech Analytical Laboratory

Printed: 11/14/2023 2:36:33PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	11/13/23 07:00	Work Order ID:	E311096
Phone:	(281) 872-9300	Date Logged In:	11/13/23 07:31	Logged In By:	Raina Schwanz
Email:	esssums@ntglobal.com	Due Date:	11/14/23 17:00 (1 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution**

Time sampled not provided on COC per client.

SRC email not sent per client request.

**Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

**Sample Preservation**

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 286430

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 286430
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	Area around tank battery represented by sample ID's SW26 through SW39, as well as V-1, V-3 and V-5 approved for deferral. Site will need to be remediated and then reclaimed at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	2/19/2024