

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	nAPP2306851971
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: <a href="mailto:montgomery.floyd@permianres.com">montgomery.floyd@permianres.com</a>	Incident #
Contact mailing address: 300 N Marienfeld St. Suite 1000 Midland, Tx. 79701	

Location of Release Source

Latitude 32.197024 Longitude -103.458540  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Sheba Fed Com 27 CTB	Site Type: Production Facility
Date Release Discovered: 02/25/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	22	24S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Merchant Livestock )

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 74	Volume Recovered (bbls) 51
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 118	Volume Recovered (bbls) 80
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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:  
Due to a failed dump valve the separators were filled with fluid resulting in a release of produced fluids to soil. A fire occurred at the battery due to the overflow through separation which required Jal VFD response to extinguish. The site will be remediated to state standards. Volumes were justified using telemetry and delineation sampling data.

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The released resulted in a fire, and exceeded 25 barrels volume.
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 checked="" 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:	
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: Montgomery Floyd	Title: Environmental Manager
Signature: _____	Date: _____
email: montgomery.floyd@permianres.com	Telephone: 432-425-8321
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

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

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

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


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

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

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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: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature:  \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: Jocelyn Harimon Date: 06/16/2023



Incident ID	nAPP2306851971
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Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: MONTGOMERY FLOYD Title: \_\_\_\_\_

Signature: [Signature] Date: 6-15-23

email: montgomery.floyd@permianres.com Telephone: 432 425 8321

**OCD Only**

Received by: Jocelyn Harimon Date: 06/16/2023

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

Signature: Nelson Velez Date: 09/18/2023

Remediation plan is approved. Permian Resources has 90-days (December 14, 2023) to submit its appropriate or final closure report.

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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: \_\_\_\_\_ Title: \_\_\_\_\_

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

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

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

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## Release Notification

### Responsible Party

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident #
Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

### Location of Release Source

Latitude 32.197024 Longitude -103.458540  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Sheba Fed Com 27 CTB	Site Type: Production Facility
Date Release Discovered: 02/25/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	22	24S	34E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: ~~Nevelpa Livestock~~)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 74	Volume Recovered (bbls) 51
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 118	Volume Recovered (bbls) 80
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" 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:

Due to a failed dump valve the separators were filled with fluid resulting in a release of produced liquids to soil. A fire occurred at the battery due to the overflow through separation which required Jal VFD response to extinguish. The site will be remediated to state standards. Volumes were justified using telemetry and delineation sampling data.



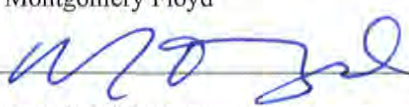
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release resulted in a fire, and exceeded 25 barrels volume.
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 checked="" 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:	
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: Montgomery Floyd	Title: Environmental Manager
Signature: 	Date: 3-10-23
email: montgomery.floyd@permianres.com	Telephone: 432-425-8321
<b><u>OCD Only</u></b>	
Received by: Jocelyn Harimon	Date: 03/10/2023



Incident ID	nAPP2306851971
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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>Unknown</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

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Oil Conservation Division

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Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: \_\_\_\_\_ Date: 6/14/2023

Email: Montgomery.floyd@permianres.com Telephone: 432-425-8321

**OCD Only**

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

Incident ID	nAPP2306851971
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Application ID	

## Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Montgomery Floyd Title: Environmental ManagerSignature: \_\_\_\_\_ Date: 6/14/2023email: Montgomery.floyd@permianres.com Telephone: 432-425-8321**OCD Only**

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

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

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



701 Tradewinds Blvd  
Midland, Texas 79707  
Tel. 432-766-1918  
www.ntgenvironmental.com

June 15, 2023

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

**Re: Site Characterization and Remediation Update Report  
Sheba Fed 27 CTB 1  
Permian Resources Operating, LLC  
Incident ID: nAPP2306851971  
H-22-24S-34E, Lea County, New Mexico**

## 1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Permian Resources Operating, LLC (Permian), submits this Site Characterization and Remediation Update Report to the NMOCD District 2 Office in Artesia, New Mexico. This report provides documentation of sampling, analysis, and remediation activities conducted to date in the affected areas at the Permian Sheba Fed 27 CTB 1 Release Site (Site). The Site is located in Unit Letter H, Section 22 of Township 24 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.197024° N Latitude and 103.458540° W Longitude. Figures 1 and 2 depict the Site location. The excavation overview is depicted on Figure 3.

## 2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on March 10, 2023. The C-141 stated that one hundred and eighteen (118) barrels (bbls) of produced water were released with eighty (80) bbls recovered for a net loss of thirty-eight (38) bbls, and seventy-four (74) bbls of crude oil were released with fifty-one (51) bbls recovered for a net loss of twenty-three (23) bbls. The release occurred due to a failed dump valve in which the separators were filled with fluid resulting in a release. A fire ensued at the battery due to the overflow through separation which was extinguished by the Jal Volunteer Fire Department (VFD).

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2306851971. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.



Mr. Mike Bratcher  
June 15, 2023  
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### 3. Groundwater and Site Characterization

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

The area is located in an area of low karst potential. Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known depth to groundwater sources and or features within a ½-mile radius of the location. No other receptors were noted within the specified boundaries or distancing from the site. Figure 3, Excavation Overview, depicts the boundary of the release. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with an unknown depth to groundwater and meets the Closure Criteria for depth to groundwater less than fifty (50) feet in Table I. The soil and closure criteria are listed below:

*General Site Characterization and Groundwater: Table 3.1*

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+DRO)	Total BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

### 4. Remedial Action Activities and Confirmation Sampling

Due to the ongoing site activities by Tellus Environmental Services (Tellus), New Tech Global Environmental (NTGE) did not conduct any initial soil delineation activities and was hired by Permian Resources to oversee confirmation sampling of the entire excavation area. Between April 26, 2023, and April 28, 2023, NTGE mobilized to the site to conduct confirmation sampling events. Tellus excavated the west and north edges of the pad where excavation areas ranged from (6) inches to four (4) feet in depth based on visual field observations. NTGE collected one hundred and twenty two (122) bottom hole confirmation samples (CS-1 through CS-122), and forty-five (45) sidewall confirmation samples. The confirmation samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis of benzene, toluene, ethylene, and xylene (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015 Modified, and chloride by EPA Method

Mr. Mike Bratcher  
June 15, 2023  
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4500CL. Analytical results indicated twenty-nine (29) bottom hole confirmation samples and twenty-nine (29) sidewall samples exhibited TPH and/or chloride concentrations above Table I Closure Criteria. Soil sample CS-121 exhibited BTEX concentrations above 50 mg/kg. Confirmation samples were collected from areas representing no more than two hundred (200) square feet.

On May 11, 2023, NTGE mobilized to the site to conduct further confirmation sampling activities in the excavated areas between the adjacent central tank batteries and chemical tanks. Areas were excavated from six (6) inches to four (4) feet in depth based on visual field observations and measurements. NTGE collected fifty-six (56) bottom hole samples (CS-123 through CS-178), and twenty-four (24) sidewall samples (SW-46 through SW-69). The confirmation samples were submitted to Cardinal for soil analysis. Analytical results indicated four (4) bottom hole samples, and nine (9) sidewall samples displayed TPH and/or chloride concentrations above Table I Closure Criteria. Although, several of these samples did not meet Closure Criteria regulations, there are several bottom hole and sidewall sample locations collected near and around production equipment or tank berms that would deem remediation not feasible without destabilizing the integrity of equipment or secondary containments. Confirmation sample locations are depicted on Figure 4, Confirmation Sample Map.

On May 16, 2023, NTGE mobilized back to the site to conduct a third confirmation sampling event in order to collect samples in areas that required further remediation from the sampling events on April 26, 2023, through April 28, 2023. Base areas were excavated deeper and sidewall areas extended to achieve removal of all impacted soils. Depths ranged from three and a half (3.5) feet to five (5) feet below ground surface. NTGE collected twenty-nine (29) bottom samples and twenty (20) sidewall samples. The samples were submitted to Cardinal for soil analysis. Analytical results indicated four (4) bottom samples twenty (20) sidewall samples exhibited TPH and/or chloride concentrations above Table I Closure Criteria. One (1) sidewall sample, SW-47, exhibited BTEX above Table I Closure Criteria. The bottom and sidewall samples that exhibited concentrations above Table I Closure Criteria are depicted on Figure 5, Deferral Sample Map.

To date, approximately 4,240 yards of impacted soils have been transported offsite for disposal at Northern Delaware Basin Landfill of Jal, New Mexico. Due to the file size, manifests are available upon request. The current excavation extent is depicted on Figure 3, Excavation Overview while confirmation sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 1, and in the Laboratory Analytical Reports provided in Attachment D. A Photographic Log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

## 5. nAPP2306851971 Remediation Plan

- Most of the areas represented by samples exhibiting concentrations above Table I Closure Criteria are delineated by surrounding excavations with the exceptions of bottom samples CS-124, CS-142, CS-153, and CS 154 and sidewall samples SW-16, SW-26A, SW-27A, SW-44 and SW-45.
- The areas represented by bottom samples CS-124, CS-142, CS-153, and CS 154, are located in an area where there are underground pipelines that aren't Permian's.

Mr. Mike Bratcher  
June 15, 2023  
Page 4 of 5

These areas need to be evaluated and the pipeline operator needs to be contacted to determine if further excavation can be conducted. If further excavation is possible, the area will be further excavated, and confirmation samples will be collected. However, if the pipeline operator will not allow further excavation an attempt will be made to vertically delineate the sample points and a deferral request will be made.

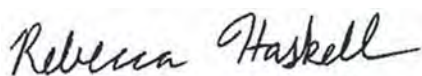
- Sidewall samples SW-16, SW-26A, SW-27A, SW-44, and SW-45 can not be further excavated due to proximity to the tank batteries. Additionally, these sample points are not delineated vertically by other excavation areas. In order to vertically delineate these samples four (4) deferral delineation test pits, DD-1 through DD-4, will be installed on the other side of the tank batteries to show the impacts left in-situ are minimal. Figure 5, Deferral Sample Map, shows the locations of the proposed deferral delineation test pits.
- Confirmation samples will be collected from areas representing no more than two hundred (200) square feet and taken to a laboratory for analysis of BTEX, TPH, and chloride.
- Once remediation activities are completed the excavation will be backfilled with non-impacted material and a closure report will be prepared and submitted to the NMOCD.
- Remediation activities are expected to be complete by August 29, 2023.
- The volume to be excavated in future activities is dependent on the pipeline operators' restrictions and is unknown at this time.

The Release Notification, Site Assessment/Characterization, and Remediation Plan portions 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 432-766-1918.

Sincerely,

NTG Environmental



Becky Haskell  
Senior Project Manager

Attachments:

- Figure 1: Site Location Map
- Figure 2: Topographic Map
- Figure 3: Excavation Overview Map
- Figure 4: Confirmation Sample Map
- Figure 5: Deferral Sample Map
- Table 1: Summary of Soil Analytical Data
- Appendix A: Site Characterization Documentation
- Appendix B: Confirmation Sampling Notifications
- Appendix C: Photographic Log

Mr. Mike Bratcher  
June 15, 2023  
Page 5 of 5

Appendix D: Laboratory Analytical Reports and Chain -of-Custody  
Documentation

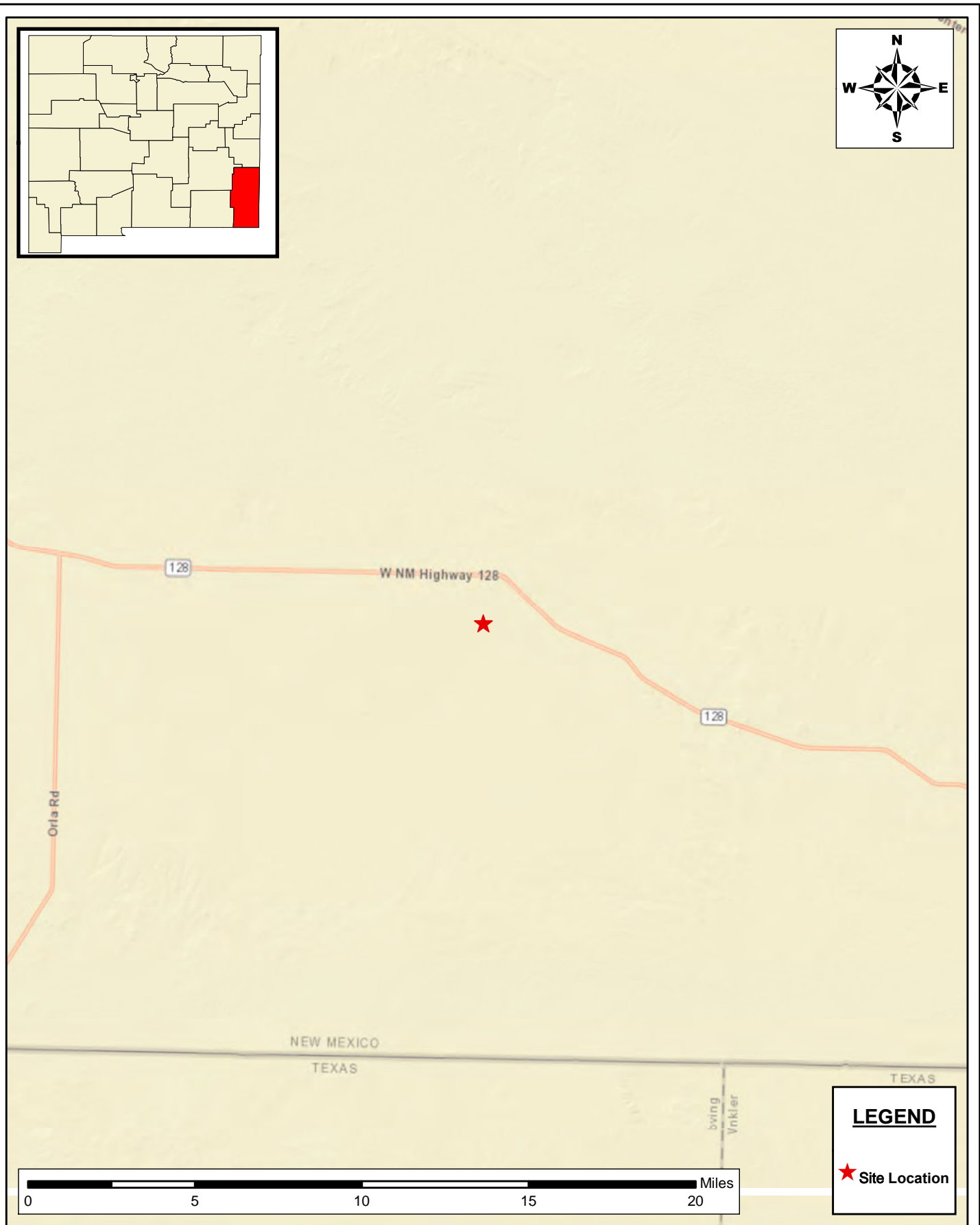


# FIGURES

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Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\236969 58077 Sheba Federal Com 305H #217 - Figures\GIS\Figure\_1\_Area Map\_DH.mxd



**Site Location Map**  
 Permian Resources  
 Sheba Fed Com 27 CTB  
 Lea County, New Mexico  
 32.197024°, -103.458540°

SCALE: As Shown

DATE: 6/13/2023

PROJECT #: 237274



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

**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

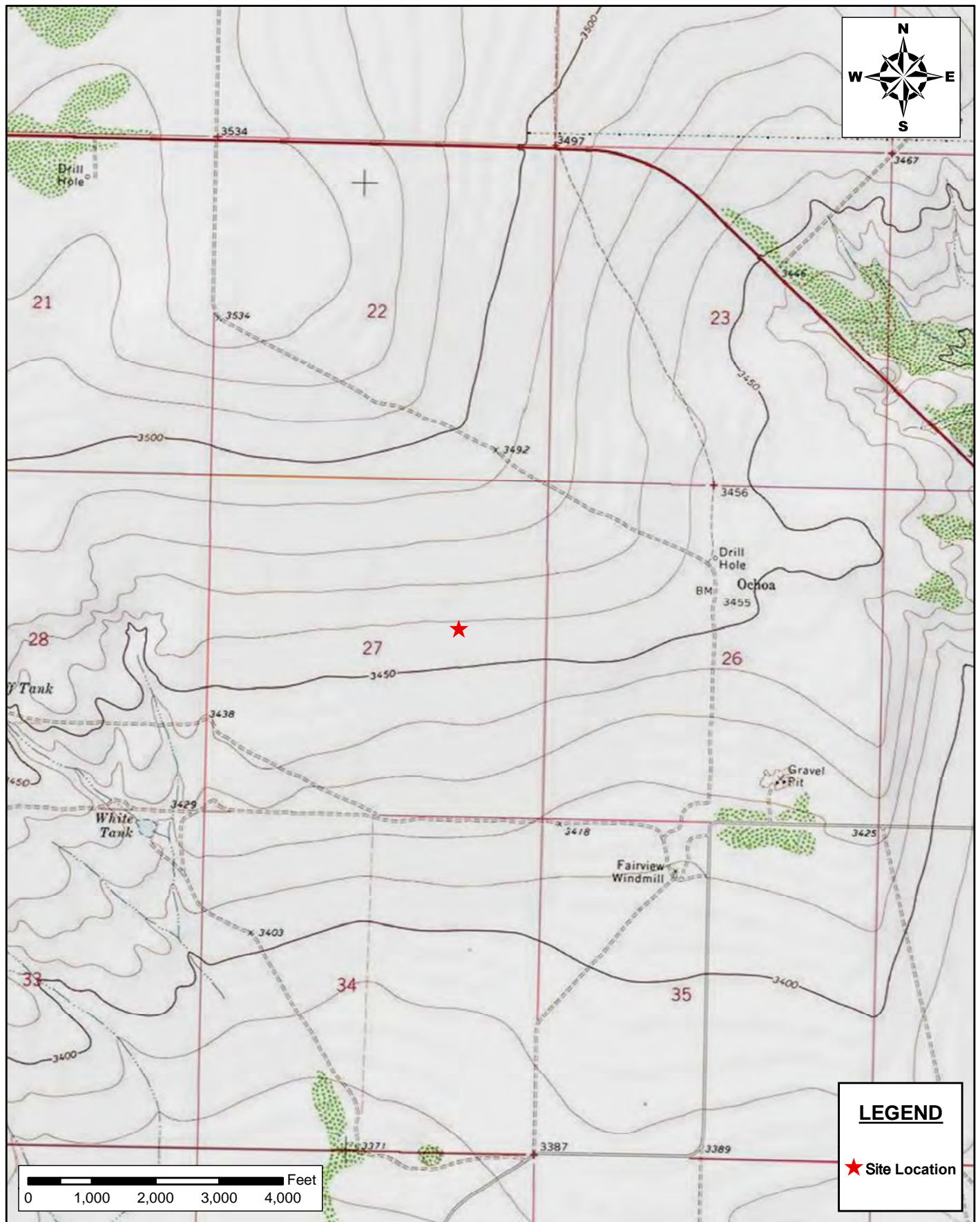
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**FIGURE 1**

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**1 of 1**

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**Topographic Map**  
 Permian Resources  
 Sheba Fed Com 27 CTB  
 Lea County, New Mexico  
 32.197024°, -103.458540°

SCALE: As Shown

DATE: 6/13/2023

PROJECT #: 237274



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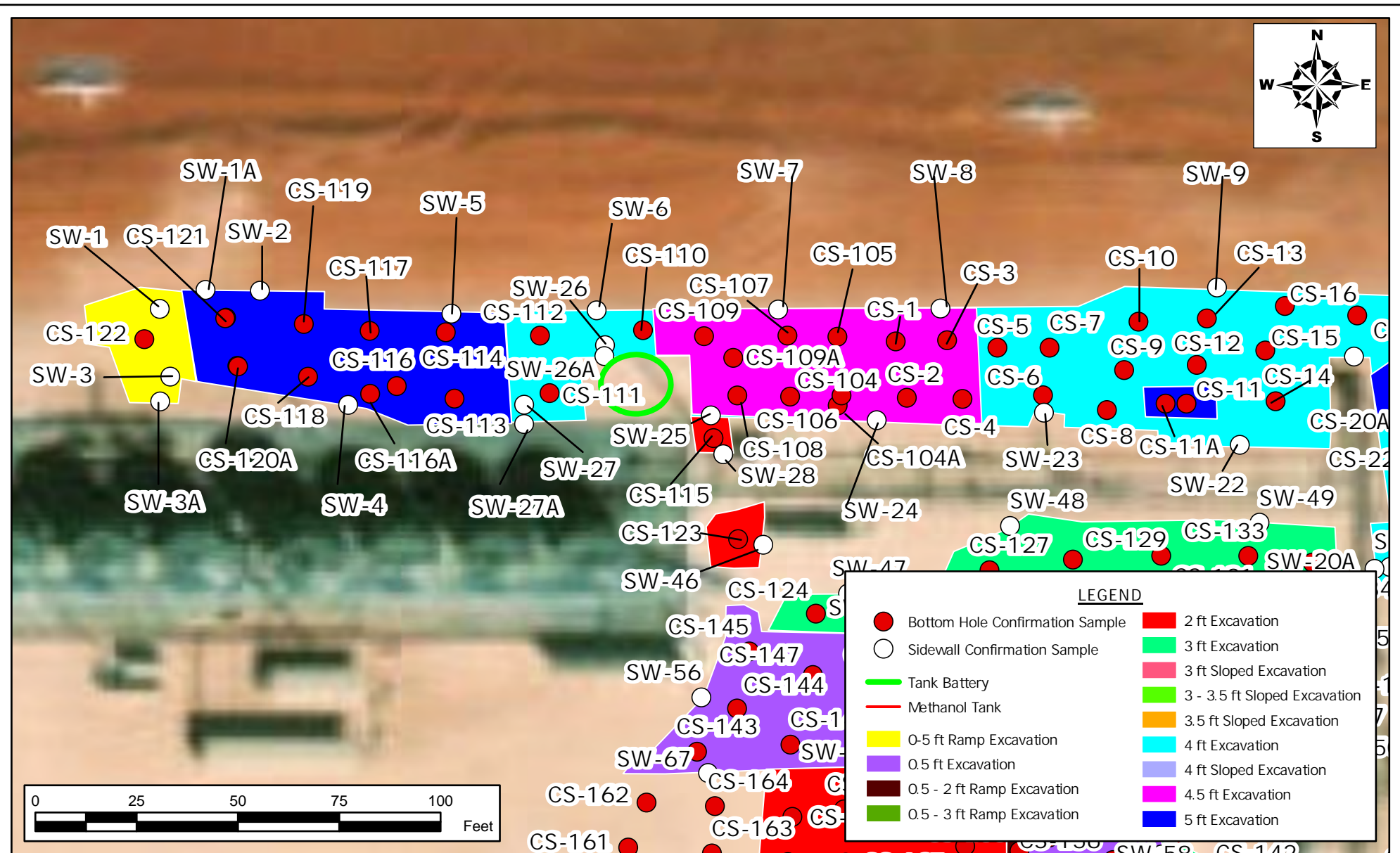
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**FIGURE 2**

SHEET NUMBER:

**1 of 1**

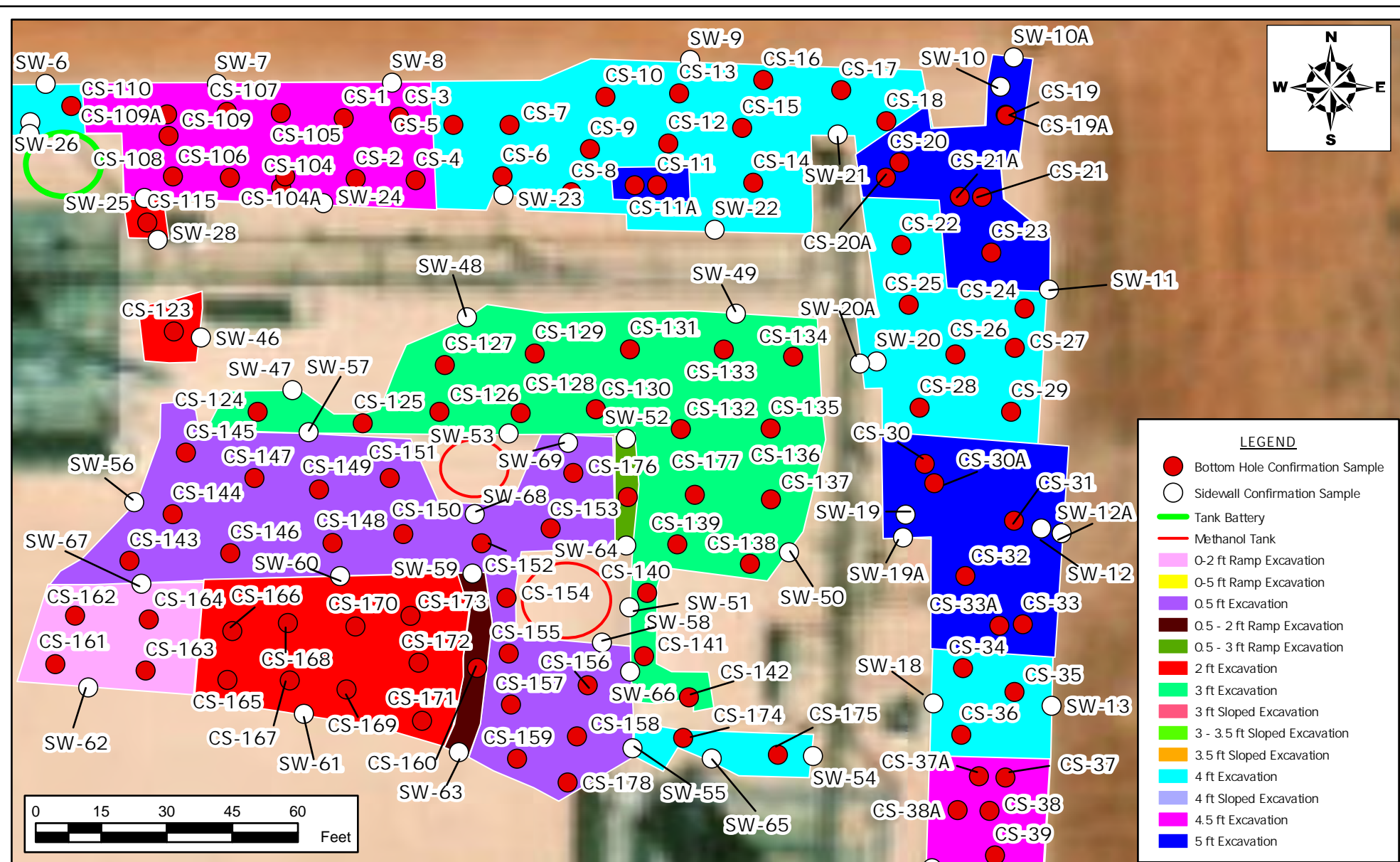




Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RSC0237274 Sheba Federal Com 305H #37 - Figures\GIS\Geodatabase\Figure 4 Confirmation Sample Map\_06152023.aprx

1 of 4	SHEET NUMBER:	DRAWING NUMBER:	FIGURE 4	CONFIRMATION SAMPLE MAP PERMIAN RESOURCES SHEBA FED COM 27 CTB LEA COUNTY, NEW MEXICO 32.197024, -103.458540	New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com		<b>NOTES:</b> 1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto) 2. Map Projection: NAD 1983





**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.197024, -103.458540

**New Tech Global Environmental, LLC**  
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 Houston, Texas 77060  
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 Web: www.ntgglobal.com

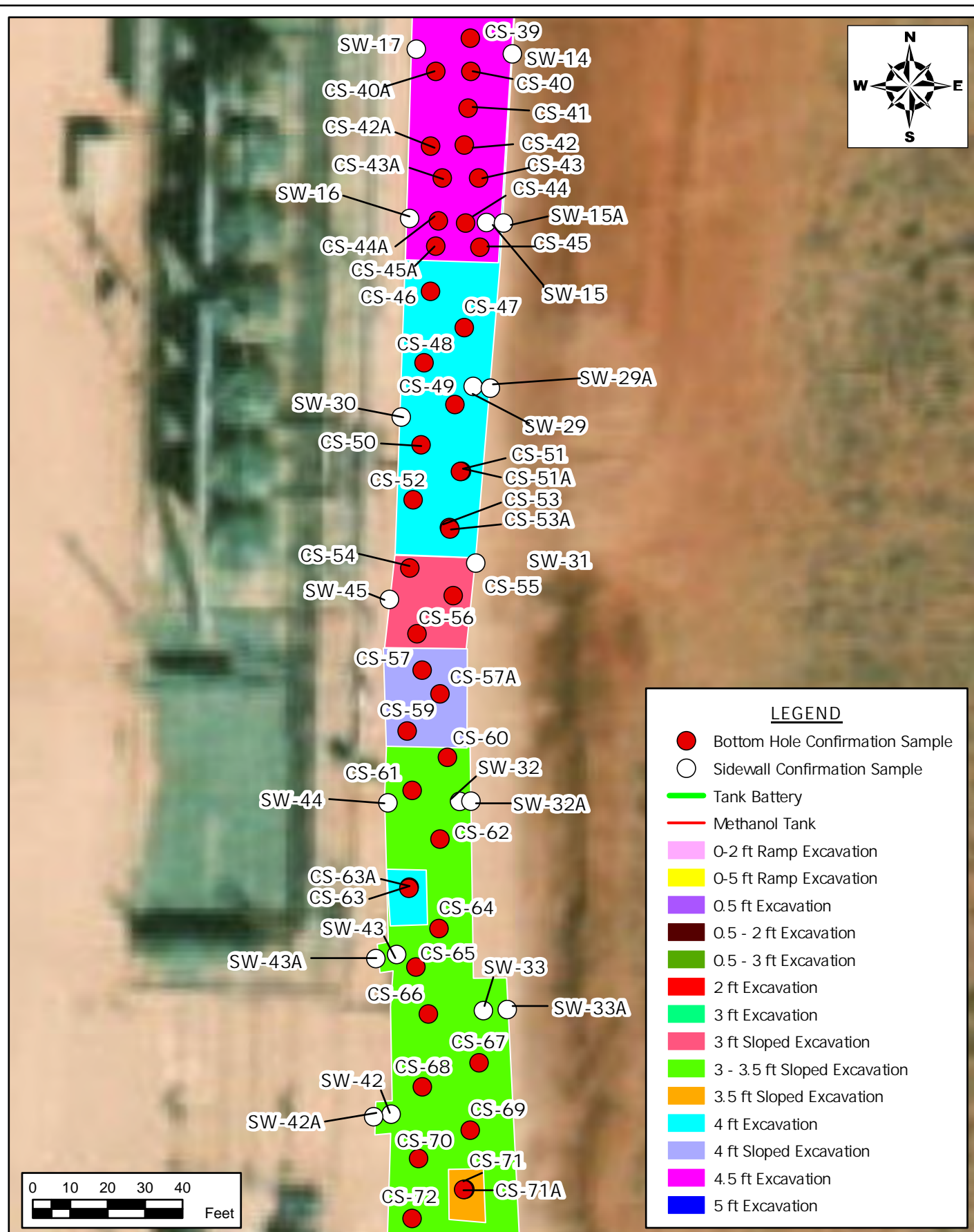


#### NOTES:

1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto)
2. Map Projection: NAD 1983

Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\SC0237274 Sheba Federal Com 305H #37 - Figures\GIS\Geodatabase\Figure 4 Confirmation Sample Map\_20d\_06152023.aprx

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**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.197024, -103.458540

SCALE: As Shown

Date: 6/15/2023

PROJECT #: 237274



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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

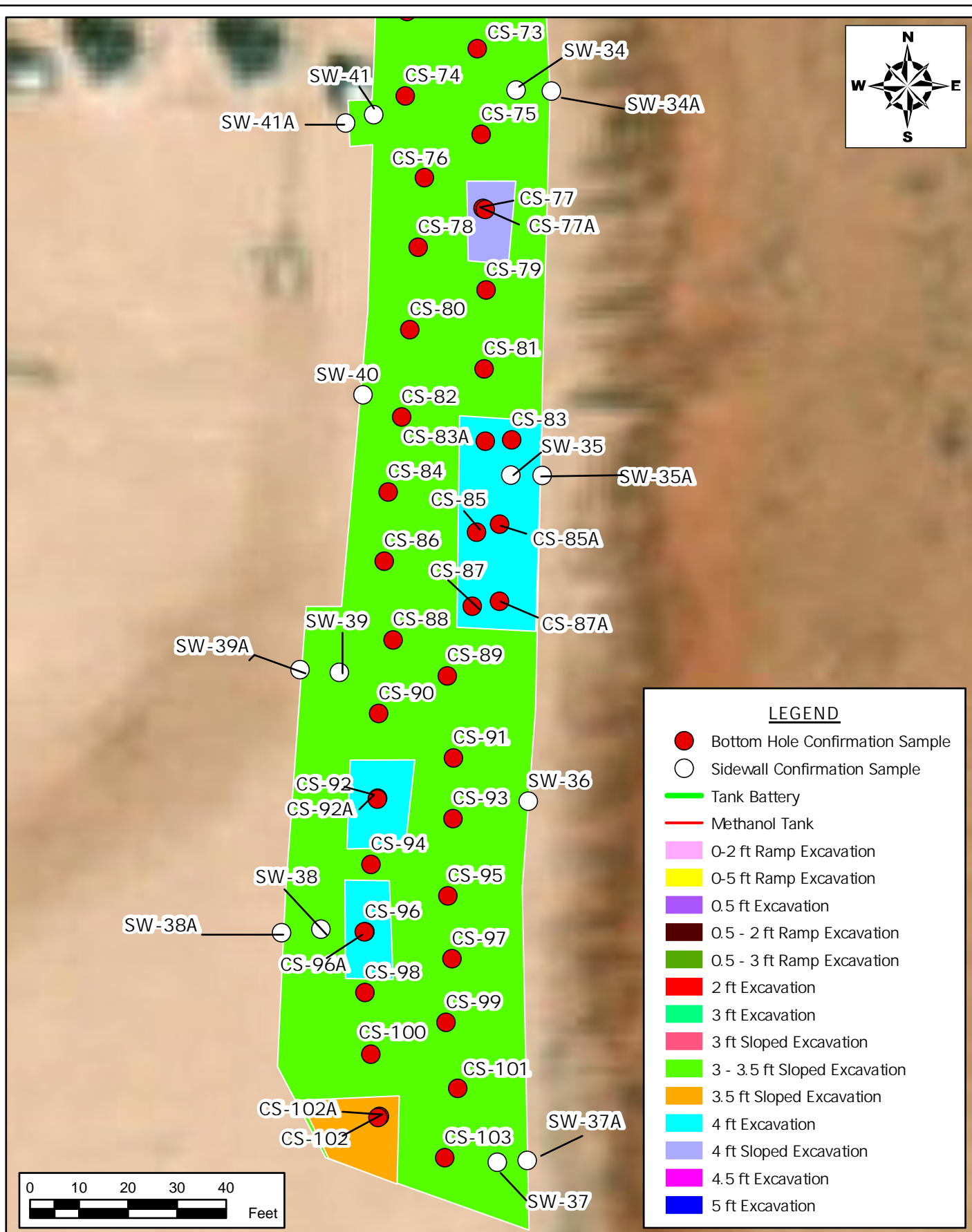
DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**3 of 4**

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**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.197024, -103.458540

SCALE: As Shown

Date: 6/15/2023

PROJECT #: 237274



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2. Map Projection: NAD 1983 UTM Zone 13N

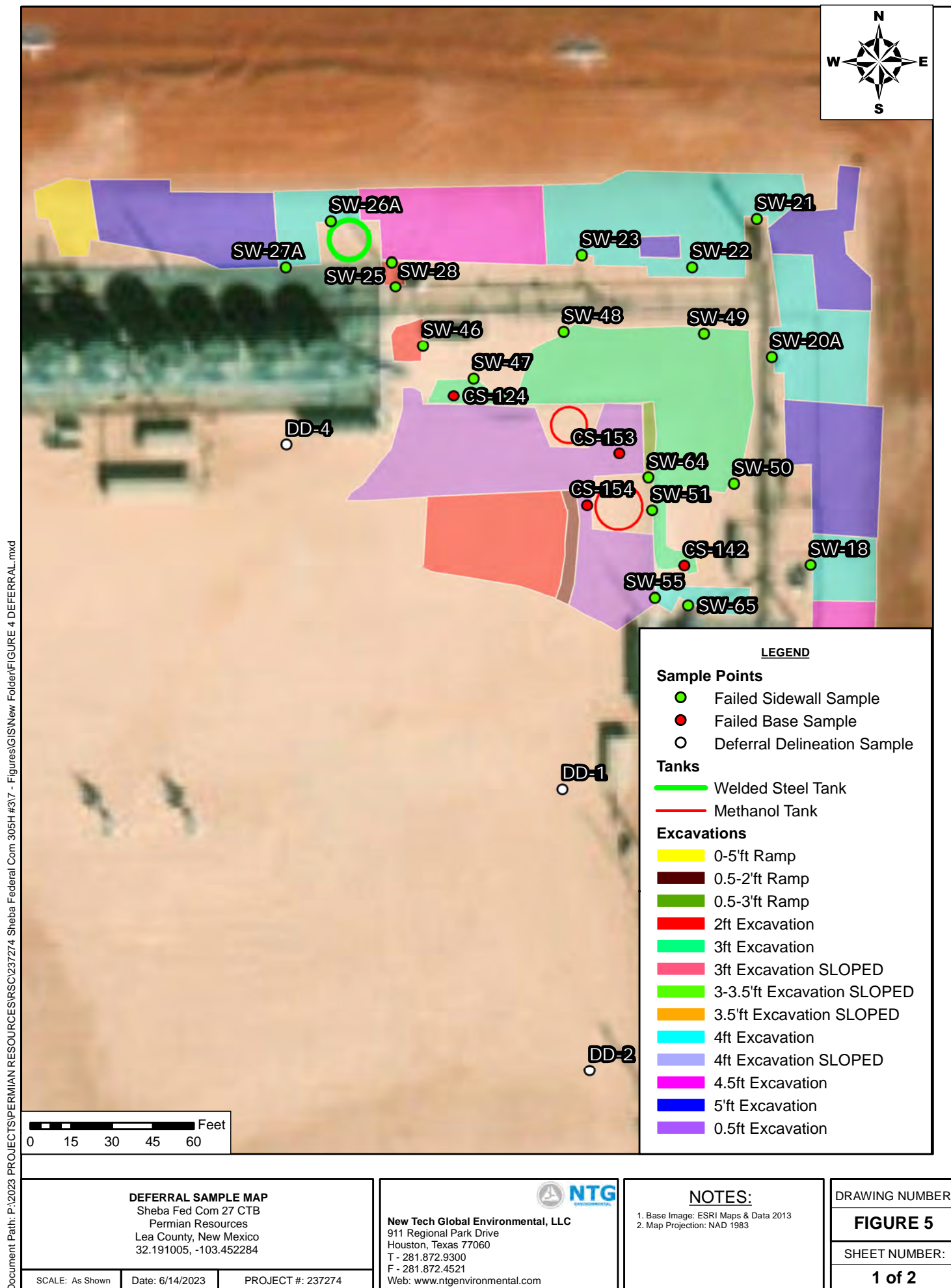
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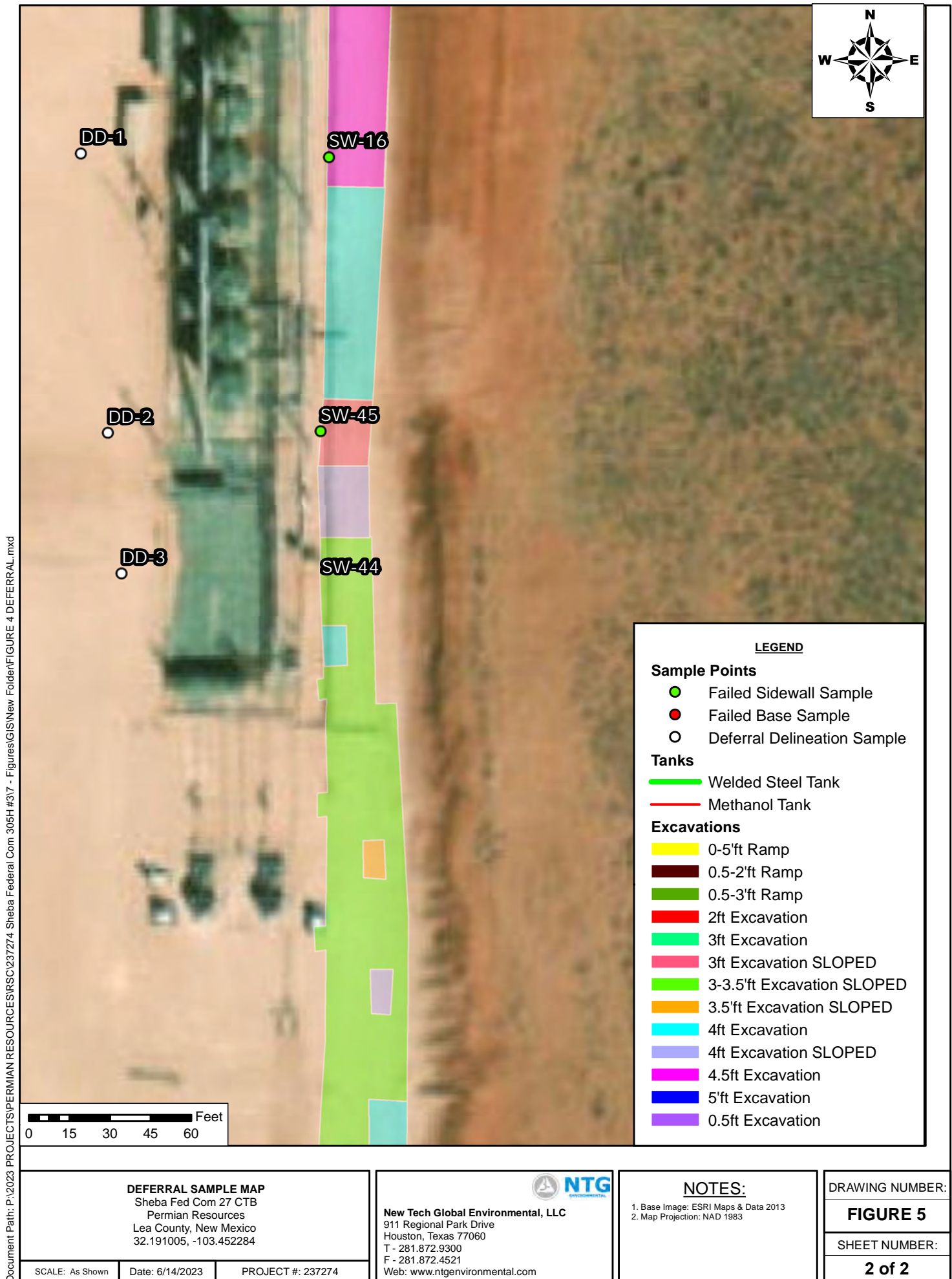
**FIGURE 4**

SHEET NUMBER:

**4 of 4**







# TABLES

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**Table 1**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sheba Federal Com 305H #3**  
**Permian Resources**  
**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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Bottom Hole Confirmation Samples													
CS-1	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-2	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-3	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-4	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.4	50.4	<10.0	50.4	160
CS-5	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-6	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.8	32.8	<10.0	32.8	96
CS-7	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-8	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-9	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-10	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	12.8	<10.0	12.8	256
CS-11	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	580	580	111	691	1,630
CS-11A	5/16/2023	5'	<0.050	0.053	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-12	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-13	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-14	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.9	56.9	<10.0	56.9	240
CS-15	4/26/2023	4'	<0.050	0.165	0.094	0.364	0.622	<10.0	23.4	23.4	<10.0	23.4	208
CS-16	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.5	27.5	<10.0	27.5	128
CS-17	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-18	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-19	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.6	81.6	30.0	112	384
CS-19A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-20	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,930	1,930	367	2,297	1,920
CS-20A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	224
CS-21	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	552	552	119	671	880
CS-21A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-22	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.1	56.1	15.7	71.8	352
CS-23	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.6	16.6	<10.0	16.6	128
CS-24	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.9	61.9	<10.0	61.9	272
CS-25	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-26	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.7	42.7	<10.0	42.7	320
CS-27	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-28	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-29	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-30	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
CS-30A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.0	11.0	<10.0	11.0	448
CS-31	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-32	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.5	27.5	<10.0	27.5	144
CS-33	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	125	125	26	151	304
CS-33A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-34	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-35	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.2	26.2	<10.0	26.2	240

**Table 1**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sheba Federal Com 305H #3**  
**Permian Resources**  
**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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
CS-36	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-37	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	371	371	94.7	466	1,360
CS-37A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-38	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	191	191	52.9	244	752
CS-38A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-39	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-40	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	230	230	46.5	277	1,040
CS-40A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.1	19.1	<10.0	19.1	96
CS-41	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.2	52.2	<10.0	52.2	384
CS-42	4/27/2023	4'	<0.050	<0.050	0.076	0.564	0.640	17.3	986	1,003	163	1,166	3,080
CS-42A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.6	15.6	<10.0	15.6	112
CS-43	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	419	419	74.8	494	2,480
CS-43A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-44	4/27/2023	4'	<0.050	<0.050	0.052	0.415	0.467	13.8	743	757	131	888	3,760
CS-44A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.7	59.7	<10.0	59.7	144
CS-45	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.4	27.4	10.6	38.0	256
CS-46	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-47	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-48	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-49	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	72.6	72.6	17.4	90.0	336
CS-50	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-51	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	100	100	24.4	124	704
CS-51A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-52	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-53	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	781	781	154	935	4,000
CS-53A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-54	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-55	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.5	75.5	15.4	90.9	400
CS-56	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-57	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.7	86.7	18.2	105	768
CS-57A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-59	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.1	15.1	<10.0	15.1	288
CS-60	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.6	17.6	<10.0	17.6	112
CS-61	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.8	37.8	<10.0	37.8	368
CS-62	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	10.1	21	80
CS-63	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	140	140	50.8	191	560
CS-63A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-64	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	11.7	<10.0	11.7	48
CS-65	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	16
CS-66	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.2	32.2	14.5	46.7	384
CS-67	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.2	13.2	<10.0	13.2	96
CS-68	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	17.7	11.5	29.2	192

**Table 1**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sheba Federal Com 305H #3**  
**Permian Resources**  
**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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-69	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.1	13.1	<10.0	13.1	96
CS-70	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.6	21.6	<10.0	21.6	112
<del>CS-71</del>	<del>4/27/2023</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>10.6</del>	<del>174</del>	<del>185</del>	<del>27.9</del>	<del>223</del>	<del>80</del>
CS-71A	5/16/2023	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-72	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	16.2	10.5	26.7	96
CS-73	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	12.0	28.0	40.0	10.3	50.3	112
CS-74	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.2	14.2	10.1	24.3	96
CS-75	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.6	10.6	<10.0	10.6	96
CS-76	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.0	11.0	<10.0	11.0	96
<del>CS-77</del>	<del>4/27/2023</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>103</del>	<del>103</del>	<del>22.6</del>	<del>126</del>	<del>704</del>
CS-77A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-78	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.8	22.8	<10.0	22.8	144
CS-79	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.7	13.7	<10.0	13.7	192
CS-80	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.9	31.9	18.3	50.2	160
CS-81	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69.7	69.7	26.1	95.8	416
CS-82	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
<del>CS-83</del>	<del>4/27/2023</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>313</del>	<del>313</del>	<del>61.2</del>	<del>374</del>	<del>304</del>
CS-83A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-84	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.0	12.0	<10.0	12.0	80
<del>CS-85</del>	<del>4/27/2023</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>255</del>	<del>255</del>	<del>60.3</del>	<del>315</del>	<del>592</del>
CS-85A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-86	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
<del>CS-87</del>	<del>4/27/2023</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>86.0</del>	<del>86.0</del>	<del>&lt;10.0</del>	<del>86.0</del>	<del>992</del>
CS-87A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-88	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-89	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-90	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-91	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
<del>CS-92</del>	<del>4/27/2023</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>912</del>
CS-92A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-93	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-94	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-95	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
<del>CS-96</del>	<del>4/27/2023</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>195</del>	<del>195</del>	<del>40.9</del>	<del>236</del>	<del>1,230</del>
CS-96A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-97	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	74.3	74.3	12.9	87.2	256
CS-98	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.1	27.1	<10.0	27.1	336
CS-99	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.6	17.6	<10.0	17.6	176
CS-100	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.3	32.3	<10.0	32.3	352
CS-101	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.6	23.6	<10.0	23.6	304
<del>CS-102</del>	<del>4/27/2023</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>147</del>	<del>147</del>	<del>11.5</del>	<del>159</del>	<del>496</del>
CS-102A	5/16/2023	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48

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Summary of Soil Analytical Data - Confirmation Samples  
Sheba Federal Com 305H #3  
Permian Resources  
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-103	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.6	46.6	<10.0	46.6	96
<del>CS-104</del>	<del>4/28/2023</del>	<del>4'</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>160.0</del>	<del>160.0</del>	<del>27.7</del>	<del>187.7</del>	<del>544</del>
CS-104A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-105	4/28/2023	4'	<0.050	0.066	0.060	0.151	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-106	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-107	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-108	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
<del>CS-109</del>	<del>4/28/2023</del>	<del>4'</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>150</del>	<del>150</del>	<del>21.8</del>	<del>172</del>	<del>560</del>
CS-109A	5/16/2023	4.5'	<0.050	0.104	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-110	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-111	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-112	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.6	13.6	<10.0	13.6	80
CS-113	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-114	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.4	75.4	10.4	85.8	128
CS-115	4/28/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
<del>CS-116</del>	<del>4/28/2023</del>	<del>4'</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>25.4</del>	<del>194</del>	<del>448</del>
CS-116A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-117	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31.2	31.2	<10.0	31.2	96
CS-118	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.7	59.7	<10.0	59.7	208
CS-119	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	34.5	34.5	<10.0	34.5	64
<del>CS-120</del>	<del>4/28/2023</del>	<del>4'</del>	<del>&lt;0.050</del>	<del>1.55</del>	<del>1.41</del>	<del>5.89</del>	<del>8.85</del>	<del>78.9</del>	<del>1,270</del>	<del>1,349</del>	<del>166</del>	<del>1,515</del>	<del>512</del>
CS-120A	5/16/2023	5'	<0.050	0.337	0.095	0.222	0.654	<10.0	12.1	12.1	<10.0	12.1	96
<del>CS-121</del>	<del>4/28/2023</del>	<del>4'</del>	<del>4.88</del>	<del>169</del>	<del>98.8</del>	<del>329</del>	<del>602</del>	<del>2,530</del>	<del>4,080</del>	<del>6,610</del>	<del>455</del>	<del>7,065</del>	<del>48</del>
CS-121A	5/16/2023	5'	<0.050	0.112	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-122	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.2	37.2	<10.0	37.2	64
CS-123	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.5	37.5	<10.0	37.5	304
CS-124	5/11/2023	3'	<0.050	0.063	<0.050	<0.150	<0.300	<10.0	401	401	<10.0	401	1,170
CS-125	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-126	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-127	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24	24	<10.0	24	96
CS-128	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-129	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-130	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-131	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-132	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-133	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-134	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-135	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-136	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-137	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.2	26.2	<10.0	26.2	48
CS-138	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-139	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.3	18.3	<10.0	18.3	44

**Table 1**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sheba Federal Com 305H #3**  
**Permian Resources**  
**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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
CS-140	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-141	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-142	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	390	390	53.3	443.3	2,760
CS-143	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-144	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-145	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-146	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.4	10.4	<10.0	10.4	128
CS-147	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-148	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-149	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-150	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.9	20.9	<10.0	20.9	240
CS-151	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-152	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-153	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	90.3	90.3	12.7	103	192
CS-154	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	717	717	115	832	448
CS-155	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-156	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-157	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	12.6	<10.0	<10.0	80
CS-158	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-159	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-160	5/11/2023	6"-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-161	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-162	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	12.6	<10.0	12.6	160
CS-163	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-164	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-165	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-166	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-167	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-168	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-169	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-170	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-171	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-172	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-173	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-174	5/11/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-175	5/11/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-176	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-177	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.1	29.1	<10.0	29.1	32
CS-178	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
Sidewall Confirmation Samples													
SW-1	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	132	26.0	158	160
SW-1A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64

Table 1  
Summary of Soil Analytical Data - Confirmation Samples  
Sheba Federal Com 305H #3  
Permian Resources  
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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
SW-2	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-3	4/28/2023	(0-4')	<0.050	0.391	0.379	1.83	2.60	38.7	359	397.7	48.9	446.6	1,660
SW-3A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.6	40.6	15.8	56.4	416
SW-4	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-5	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-6	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-7	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-8	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-9	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-10	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	290	290	94.4	384.4	784
SW-10A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.1	18.1	<10.0	18.1	192
SW-11	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.0	30.0	10.1	40.1	128
SW-12	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	375	375	59.7	434.7	336
SW-12A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-13	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.3	42.3	13.9	56.2	240
SW-14	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-15	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.4	86.4	<10.0	86.4	1,170
SW-15A	5/16/2023	(0-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-16	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,230	1,230	251	1,481	5,520
SW-17	4/28/2023	(0-4')	<0.050	0.063	<0.050	<0.150	<0.300	<10.0	54.5	54.5	28.9	83.4	400
SW-18	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	985	985	241	1,226	4,240
SW-19	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	203	203	64.3	267.3	1,090
SW-19A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.4	20.4	<10.0	20.4	256
SW-20	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.7	21.7	<10.0	21.7	688
SW-20A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.7	35.7	<10.0	35.7	960
SW-21	4/28/2023	(0-4')	<0.050	0.149	0.064	0.198	0.411	<10.0	1,010	1,010	236	1,246	3,520
SW-22	4/28/2023	(0-4')	<0.050	0.384	0.222	1.17	1.78	43.3	2,050	2,093	331	2,424	1,440
SW-23	4/28/2023	(0-4')	0.162	6.29	4.35	16.3	27.1	259	998	1,257	169	1,426	2,240
SW-24	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.6	23.6	17.6	41.2	64
SW-25	4/28/2023	(2'-4')	<0.050	0.141	0.115	0.448	0.704	<10.0	1,180	1,180	553	1,733	2,120
SW-26	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	233	233	54.7	287.7	1,070
SW-26A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-27	4/28/2023	(0-4')	0.054	0.502	0.183	0.644	1.38	13.9	1,730	1,744	356	2,100	10,200
SW-27A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.9	26.9	<10.0	26.9	864
SW-28	4/28/2023	(0-2')	<0.050	0.879	0.412	1.25	2.54	28	1,280	1,308	1,050	2,358	16,800
SW-29	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.8	50.8	94.3	145.1	224
SW-29A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-30	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	14.0	14.0	160
SW-31	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	48.0	48.0	<10.0	48.0	320
SW-32	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	166	166	34.5	200.5	320
SW-32A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-33	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	665	665	130	795	560



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Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
SW-33A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-34	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	632	632	110	742	576
SW-34A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-35	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,780	1,780	258	2,158	3,480
SW-35A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-36	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	29.2	29.2	80
SW-37	4/28/2023	(0-3')	<0.050	<0.050	<0.050	0.412	0.412	38.4	3,310	3348	631	3,979	3,280
SW-37A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-38	4/28/2023	(0-3')	<0.050	<0.050	0.206	1.4	1.6	43	3400	3443	687	4,130	2,400
SW-38A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-39	4/28/2023	(0-3')	<0.050	0.053	0.326	2.09	2.47	66.6	3800	3867	810	4,677	2,400
SW-39A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-40	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	15.7	<10.0	15.7	112
SW-41	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	156	156	28.4	184	128
SW-41A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.9	18.9	<10.0	18.9	64
SW-42	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	539	539	129	668	688
SW-42A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-43	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	134	134	36	170	240
SW-43A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-44	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1200	1200	212	1,412	4,880
SW-45	4/28/2023	(0-3')	<0.050	0.062	0.08	0.429	0.571	<10.0	495	495	109	604	3,840
SW-46	5/11/2023	(0-2')	<0.050	1.42	0.91	3.64	5.97	14.8	152	166	39.6	206.4	3,280
SW-47	5/11/2023	(0-3')	0.422	17.9	11.4	43.4	73.2	147	639	786	79.5	865.5	192
SW-48	5/11/2023	(0-3')	0.159	5.49	3.78	15.4	24.9	38.3	277	315.3	42.3	357.6	4,680
SW-49	5/11/2023	(0-3')	<0.050	0.062	<0.050	0.229	<0.300	<10.0	22.7	22.7	<10.0	22.7	6,000
SW-50	5/11/2023	(0-3')	<0.050	0.114	<0.050	0.252	0.366	<10.0	567	567	173	740	4,800
SW-51	5/11/2023	(0-3')	<0.050	0.133	0.138	0.63	0.902	<10.0	25.9	25.9	<10.0	25.9	4,480
SW-52	5/11/2023	(1-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-53	5/11/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.5	13.5	<10.0	13.5	80
SW-54	5/11/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-55	5/11/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
SW-56	5/11/2023	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-57	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-58	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.9	12.9	<10.0	12.9	160
SW-59	5/11/2023	6"-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-60	5/11/2023	6"-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.9	18.9	<10.0	18.9	112
SW-61	5/11/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-62	5/11/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-63	5/11/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-64	5/11/2023	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.8	36.8	<10.0	36.8	720
SW-65	5/11/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SW-66	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80

**Table 1**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Sheba Federal Com 305H #3**  
**Permian Resources**  
**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 (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
SW-67	5/11/2023	6"-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-68	5/11/2023	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-69	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48

## Notes:

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

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

 Sample Point Excavated

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

---



# Site Characterization



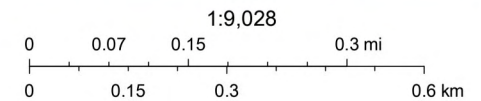
2/10/2023, 12:53:45 PM

OSE PODs    ● Changed Location of Well    ● Unknown     PLSS First Division

● Active    ● Capped    Karst Occurrence Potential

● Inactive    ● Plugged     Low

● Pending     PLSS Second Division



BLM, OCD, New Mexico Tech, OSE GIS, USGS, Esri, HERE, Garmin, iPC, Maxar, NM OSE, BLM

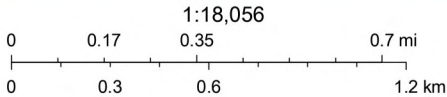


# OSE POD Locations Map



2/10/2023, 12:59:30 PM

- GIS WATERS PODs
- Active
  - Pending
  -
- OSE District Boundary
- New Mexico State Trust Lands
- Both Estates
  - NHD Flowlines
  - Artificial Path
- Stream River
- SiteBoundaries
- Water Right Regulations
- Closure Area







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


Web Generated Map  
Map is generated by web users.

# Sheba Federal 305 Battery

Karst Potential Map

## Legend

-  High
-  Low
-  Medium
-  Sheba Federal 305 Battery

 Sheba Federal 305 Battery

Google Earth

Image © 2023 CNES / Airbus

Image © 2023 Maxar Technologies

Released to Imaging: 9/19/2023 12:48:57 PM






4000 ft

# Sheba Federal 305 Battery

Significant Watercourse Map

## Legend

-  Circle Measure
-  Circle Measure
-  Sheba Federal 305 Battery

County Rd 2-B

County Rd 2-B

3500

27

3450

26

Sheba Federal 305 Battery

Ocho

Google Earth

Image © 2023 CNES / Airbus

Image © 2023 Maxar Technologies

Released to Imaging: 9/19/2023 12:48:57 PM



2000 ft





February 10, 2023

Wetlands

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

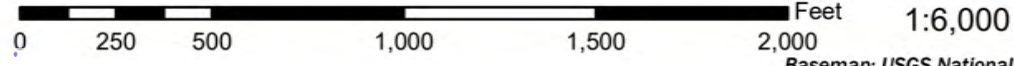
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



3°27'26"W 32°11'38"N



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

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/10/2023 at 2:00 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.

Released to Imaging: 9/18/2023 12:48:57 PM

Received by OCD: 6/15/2023 4:37:54 PM

Page 41 of 383

## ATTACHMENT B: CONFIRMATION SAMPLING NOTIFICATIONS

---



## Becky Haskell

---

**From:** Becky Haskell  
**Sent:** Friday, April 21, 2023 3:14 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** NTG Env Carlsbad; Montgomery Floyd; Ricardo Baer  
**Subject:** Sampling Notification for nAPP2306851971 Sheba 27 CTB

Good afternoon,

NTGE, on behalf of Permian Resources Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Sheba 27 CTB  
H-22-24S-34E  
Lea County, NM  
nAPP2306851971

Sampling will begin at 8:00 a.m. on Wednesday, April 26, 2023, and continue through Friday, April 28, 2023. Please let me know if you have any questions.

Thank You,

### Becky Haskell

Senior Project Manager | **NTG Environmental**

M: 432-766-1918 | [bhaskell@ntglobal.com](mailto:bhaskell@ntglobal.com)

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)



## Becky Haskell

---

**From:** Becky Haskell  
**Sent:** Thursday, May 4, 2023 1:07 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** NTG Env Carlsbad; Montgomery Floyd; Ricardo Baer  
**Subject:** Sampling Notification for nAPP2306851971 Sheba 27 CTB

Good afternoon,

NTGE, on behalf of Permian Resources Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Sheba 27 CTB  
H-22-24S-34E  
Lea County, NM  
nAPP2306851971

Sampling will begin at 8:00 a.m. on Tuesday, May 9, 2023, and continue through Friday, May 12, 2023. Please let me know if you have any questions.

Thank You,

### Becky Haskell

Senior Project Manager | **NTG Environmental**

M: 432-766-1918 | [bhaskell@ntglobal.com](mailto:bhaskell@ntglobal.com)

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)





## Becky Haskell

---

**From:** Ricardo Baer  
**Sent:** Friday, May 19, 2023 2:55 PM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** Becky Haskell  
**Subject:** Sheba 27 CTB

Good afternoon,

NTGE, on behalf of Permian Resources Operating, LLC, respectfully submits notification of sampling to be conducted at the below location.

Sheba 27 CTB  
H-22-24S-34E  
Lea County, NM  
nAPP2306851971

Sampling will begin at 8:00 a.m. on Wednesday, May 24, 2023, and continue through Friday, May 26, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup>  
Project Scientist  
(432) 556-2006  
[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)



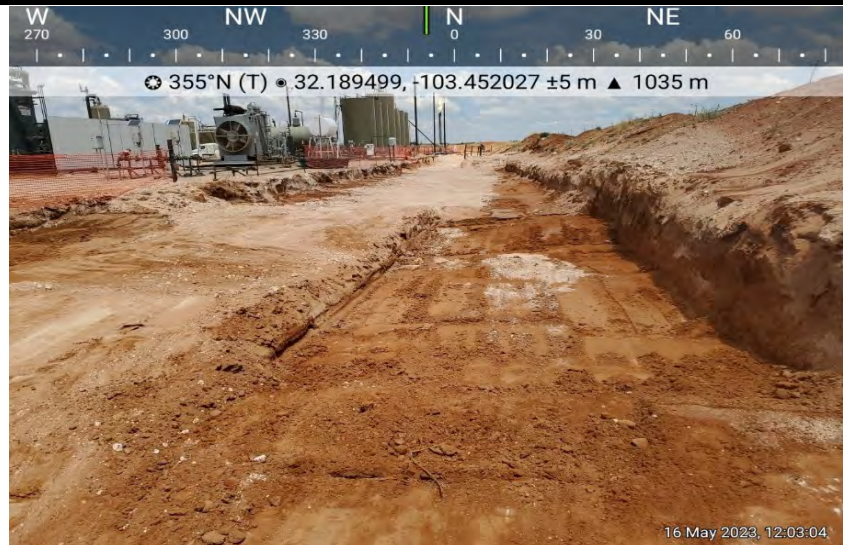
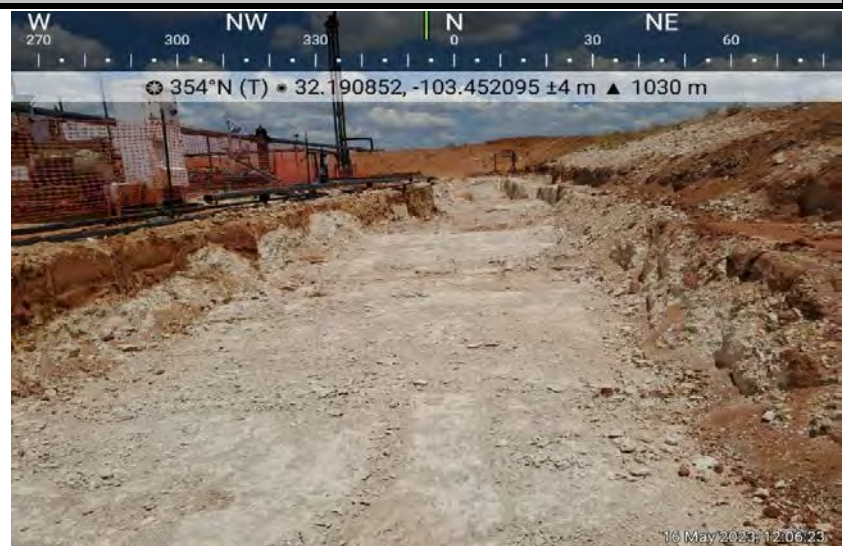
## ATTACHMENT C: PHOTOGRAPHIC LOG

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**PHOTOGRAPHIC LOG****Permian Resources  
Sheba Fed Com 27 CTB****Photograph No. 1****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.**Photograph No. 2****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.**Photograph No. 3****Facility:**  
Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.



**PHOTOGRAPHIC LOG****Permian Resources  
Sheba Fed Com 27 CTB****Photograph No. 4****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.**Photograph No. 5****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.**Photograph No. 6****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Area of excavation.



# **ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY DOCUMENTATION**

---





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

May 04, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

Enclosed are the results of analyses for samples received by the laboratory on 05/01/23 15:31.

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 1 (4') (H232122-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 2 (4') (H232122-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	64.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 3 (4') (H232122-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 4 (4') (H232122-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88	
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06	
Total BTEx	<0.300	0.300	05/02/2023	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	160	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	50.4	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 5 (4') (H232122-05)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	32.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 64.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 6 (4') (H232122-06)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	96.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	32.8	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 67.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 7 (4') (H232122-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 8 (4') (H232122-08)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTX	<0.300	0.300	05/02/2023	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	144	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 9 (4') (H232122-09)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88	
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06	
Total BTEx	<0.300	0.300	05/02/2023	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	80.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 10 (4') (H232122-10)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88	
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06	
Total BTEx	<0.300	0.300	05/02/2023	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	256	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	12.8	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 11 (4') (H232122-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	580	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	111	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 12 (4') (H232122-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 66.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 13 (4') (H232122-13)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	64.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 14 (4') (H232122-14)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	240	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	56.9	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 15 (4') (H232122-15)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88	
Toluene*	0.165	0.050	05/02/2023	ND	2.00	100	2.00	7.13	
Ethylbenzene*	0.094	0.050	05/02/2023	ND	2.01	100	2.00	7.22	
Total Xylenes*	0.364	0.150	05/02/2023	ND	6.17	103	6.00	7.06	
Total BTEX	0.622	0.300	05/02/2023	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	208	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	23.4	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 16 (4') (H232122-16)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88	
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06	
Total BTX	<0.300	0.300	05/02/2023	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	128	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	27.5	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 17 (4') (H232122-17)**

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	05/02/2023	ND	1.99	99.5	2.00	6.88		
Toluene*	<0.050	0.050	05/02/2023	ND	2.00	100	2.00	7.13		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.01	100	2.00	7.22		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.17	103	6.00	7.06		
Total BTEx	<0.300	0.300	05/02/2023	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	96.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 18 (4') (H232122-18)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	48.0	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 19 (4') (H232122-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	81.6	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	30.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 54.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 20 (4') (H232122-20)**

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	05/03/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/03/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/02/2023	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	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	1930	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	367	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 68.9 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 21 (4') (H232122-21)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	552	10.0	05/02/2023	ND	169	84.7	200	1.49	QM-07
EXT DRO >C28-C36	119	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 22 (4') (H232122-22)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	56.1	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	15.7	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 23 (4') (H232122-23)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	16.6	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 24 (4') (H232122-24)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	272	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	61.9	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/26/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 25 (4') (H232122-25)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 71.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 26 (4') (H232122-26)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	42.7	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 66.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 27 (4') (H232122-27)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	112	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 28 (4') (H232122-28)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	304	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 29 (4') (H232122-29)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 30 (4') (H232122-30)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	1040	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 31 (4') (H232122-31)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	208	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 32 (4') (H232122-32)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	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	144	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	27.5	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 33 (4') (H232122-33)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	125	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	26.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 34 (4') (H232122-34)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 35 (4') (H232122-35)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	240	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	26.2	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 36 (4') (H232122-36)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 37 (4') (H232122-37)**

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	05/02/2023	ND	1.89	94.6	2.00	3.83		
Toluene*	<0.050	0.050	05/02/2023	ND	1.99	99.6	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.00	99.8	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.08	101	6.00	2.61		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1360	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	371	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	94.7	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 38 (4') (H232122-38)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEx	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	191	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	52.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 39 (4') (H232122-39)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEx	<0.300	0.300	05/02/2023	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	464	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 40 (4') (H232122-40)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	1040	16.0	05/02/2023	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	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	230	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	46.5	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 41 (4') (H232122-41)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	05/02/2023	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	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	52.2	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 42 (4') (H232122-42)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	0.076	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	0.564	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	0.640	0.300	05/02/2023	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	3080	16.0	05/02/2023	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*	17.3	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	986	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	163	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 43 (4') (H232122-43)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	419	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	74.8	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 44 (4') (H232122-44)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	0.052	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	0.415	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEX	0.467	0.300	05/02/2023	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	3760	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.8	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	743	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	131	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 45 (4') (H232122-45)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	27.4	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	10.6	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 46 (4') (H232122-46)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	144	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 47 (4') (H232122-47)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 48 (3-4') (H232122-48)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	144	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 49 (3-4') (H232122-49)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	72.6	10.0	05/02/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	17.4	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 50 (3-4') (H232122-50)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 51 (3') (H232122-51)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEx	<0.300	0.300	05/02/2023	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	704	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	100	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	24.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 52 (3') (H232122-52)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	160	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 53 (3') (H232122-53)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	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	4000	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	781	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	154	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 63.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 54 (3') (H232122-54)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 55 (3') (H232122-55)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	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	400	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	75.5	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	15.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 56 (3') (H232122-56)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEx	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 57 (3') (H232122-57)**

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	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTX	<0.300	0.300	05/02/2023	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	768	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	86.7	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	18.2	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 59 (3') (H232122-58)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	15.1	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 60 (3') (H232122-59)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	17.6	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 61 (3') (H232122-60)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	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	05/02/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	168	83.8	200	1.23	
DRO >C10-C28*	37.8	10.0	05/03/2023	ND	170	85.2	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 62 (3') (H232122-61)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	11.3	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	10.1	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 63 (3') (H232122-62)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	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	560	16.0	05/02/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	140	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	50.8	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 64 (3') (H232122-63)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	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	48.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	11.7	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 65 (3') (H232122-64)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	11.6	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 66 (3') (H232122-65)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	32.2	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	14.5	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 67 (3') (H232122-66)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	13.2	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 68 (3') (H232122-67)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	17.7	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	11.5	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 69 (3') (H232122-68)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	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	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	13.1	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 70 (3') (H232122-69)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	21.6	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 71 (3') (H232122-70)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTX	<0.300	0.300	05/03/2023	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	80.0	16.0	05/02/2023	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*	10.6	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	174	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	37.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 72 (3') (H232122-71)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	16.2	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	10.5	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 73 (3') (H232122-72)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/02/2023	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*	12.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	28.0	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	10.3	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 74 (3') (H232122-73)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	14.2	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	10.1	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 75 (3') (H232122-74)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	10.6	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 76 (3') (H232122-75)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	96.0	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	11.0	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 77 (3') (H232122-76)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	103	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	22.6	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 78 (3') (H232122-77)**

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	05/03/2023	ND	1.87	93.6	2.00	3.42		
Toluene*	<0.050	0.050	05/03/2023	ND	1.90	94.8	2.00	2.64		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.5	2.00	3.13		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.70	95.0	6.00	3.33		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	22.8	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 79 (3') (H232122-78)**

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	05/02/2023	ND	1.93	96.7	2.00	6.75	
Toluene*	<0.050	0.050	05/02/2023	ND	2.07	103	2.00	11.0	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.22	111	2.00	12.5	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.59	110	6.00	11.8	
Total BTEx	<0.300	0.300	05/02/2023	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	192	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	13.7	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 80 (3') (H232122-79)**

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	05/02/2023	ND	1.93	96.7	2.00	6.75	
Toluene*	<0.050	0.050	05/02/2023	ND	2.07	103	2.00	11.0	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.22	111	2.00	12.5	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.59	110	6.00	11.8	
Total BTEx	<0.300	0.300	05/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	31.9	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	18.3	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 81 (3') (H232122-80)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75	
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8	
Total BTEx	<0.300	0.300	05/03/2023	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	416	16.0	05/02/2023	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	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	69.7	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	26.1	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 82 (3') (H232122-81)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 83 (3') (H232122-82)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75	
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8	
Total BTEx	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	313	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	61.2	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 84 (3') (H232122-83)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	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	80.0	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	12.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 85 (3') (H232122-84)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	255	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	60.3	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 86 (3') (H232122-85)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	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	128	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 87 (3') (H232122-86)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	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	992	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	86.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 88 (3') (H232122-87)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 89 (3') (H232122-88)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 90 (3') (H232122-89)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	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	16.0	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 91 (3') (H232122-90)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTX	<0.300	0.300	05/03/2023	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	208	16.0	05/02/2023	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	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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: H232122Page 1 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> RI <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O			
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me			
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN			
PO #:	35000				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"/>	HOLD 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																		
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																				
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C																				
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3																				
Total Containers:				166	Corrected Temperature:	-5.9																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
CS-1 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-2 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-3 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-4 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-5 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-6 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-7 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-8 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-9 (4')	4/26/2023		x		Comp	1	x	x	x																	
CS-10 (4')	4/26/2023		x		Comp	1	x	x	x																	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531			



## Chain of Custody

Work Order No: 423 2122Page 2 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O		
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me		
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN		
PO #:	35000				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"/>	HOLD																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	
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																			
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C																			
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3																			
Total Containers:				166	Corrected Temperature:	-5.9																			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
CS-11 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-12 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-13 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-14 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-15 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-16 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-17 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-18 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-19 (4')		4/26/2023		x		Comp	1	x	x	x															
CS-20 (4')		4/26/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: 1232122Page 3 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O				
Project Location	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me				
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN				
PO #:	35000				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na																						
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	HOLD H <sub>3</sub> PO <sub>4</sub> : HP NaHSO <sub>4</sub> : NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C																								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3																								
Total Containers:	166		Corrected Temperature:	-5.9																							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-21 (4')	4/26/2023		x		Comp	1	x	x	x																		
CS-22 (4')	4/26/2023		x		Comp	1	x	x	x																		
CS-23 (4')	4/26/2023		x		Comp	1	x	x	x																		
CS-24 (4')	4/26/2023		x		Comp	1	x	x	x																		
CS-25 (4')	4/26/2023		x		Comp	1	x	x	x																		
CS-26 (4')	4/27/2023		x		Comp	1	x	x	x																		
CS-27 (4')	4/27/2023		x		Comp	1	x	x	x																		
CS-28 (4')	4/27/2023		x		Comp	1	x	x	x																		
CS-29 (4')	4/27/2023		x		Comp	1	x	x	x																		
CS-30 (4')	4/27/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5/23/2023 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: H232122Page 4 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 18015M (GRO + DRO + MRO) Chloride 4500												None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN	
PO #:	35000				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na															
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	HOLD 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 Comments	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.65																	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.3																	
Total Containers:	166	Corrected Temperature:	-5.92																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont														
CS-31 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-32 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-33 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-34 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-35 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-36 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-37 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-38 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-39 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-40 (4')	4/27/2023		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
1	<i>[Signature]</i>	4/27/23 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: H232122Page 5 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN	
PO #:	35000				H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na															
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters	HOLD 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 Comments	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																	
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C																	
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	5.3°C																	
Total Containers:	166		Corrected Temperature:	-5.9°C																
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont														
CS-41 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-42 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-43 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-44 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-45 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-46 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-47 (4')	4/27/2023		x		Comp	1	x	x	x											
CS-48 (3-4')	4/27/2023		x		Comp	1	x	x	x											
CS-49 (3-4')	4/27/2023		x		Comp	1	x	x	x											
CS-50 (3-4')	4/27/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		







## Chain of Custody

Work Order No: 4252122Page 7 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes													
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO DI Water: H <sub>2</sub> O												
Project Location:	Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me												
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN												
PO #:	35000				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"/>	HOLD													H <sub>3</sub> PO <sub>4</sub> : HP												
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	713		NaHSO <sub>4</sub> : NABIS																										
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	-0.06		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"/> N/A	Temperature Reading:	5.3		Zn Acetate+NaOH: Zn																										
Total Containers:	166		Corrected Temperature:		-5.9														NaOH+Ascorbic Acid: SAPC												
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																									Sample Comments
CS-62 (3')	4/27/2023		x		Comp	1													x	x	x										
CS-63 (3')	4/27/2023		x		Comp	1													x	x	x										
CS-64 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-65 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-66 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-67 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-68 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-69 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-70 (3')	4/27/2023		x		Comp	1	x	x	x																						
CS-71 (3')	4/27/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	4/27/2023 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: H232122Page 8 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> RI <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/UT <input type="checkbox"/> TR <input type="checkbox"/> Lab <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes				
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O			
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me			
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN			
PO #:	35000					HOLD 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 RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:																	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113																					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C																					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		5.3																					
Total Containers:	166		Corrected Temperature:		5.9																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
CS-72 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-73 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-74 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-75 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-76 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-77 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-78 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-79 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-80 (3')	4/27/2023		x		Comp	1	x	x	x																	
CS-81 (3')	4/27/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: H232122

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Page 101 of 101

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Sheba #3		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes					
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																				None: NO DI Water: H <sub>2</sub> O					
Project Location:		Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me					
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN					
PO #:		35000																						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters																		H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <td colspan="2">Thermometer ID:</td> <td colspan="2">713</td> <td colspan="2"></td> <td colspan="2">BTEX 8021B</td> <td colspan="16"></td> <td colspan="2">NaHSO<sub>4</sub>: NABIS</td>		Thermometer ID:		713				BTEX 8021B																		NaHSO <sub>4</sub> : NABIS	
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:		-0.6°C				TPH 8015M (GRO + DRO + MRO)																		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"/> N/A		Temperature Reading:		-5.3°C				Chloride 4500																		Zn Acetate+NaOH: Zn	
Total Containers:		166		Corrected Temperature:		-5.9°C																						NaOH+Ascorbic Acid: SAPC	
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments					
CS-82 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-83 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-84 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-85 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-86 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-87 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-88 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-89 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-90 (3')		4/27/2023		x		Comp	1	x	x	x																			
CS-91 (3')		4/27/2023		x		Comp	1	x	x	x																			

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<i>Maura Elder</i>	5/23/23			



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

May 04, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

Enclosed are the results of analyses for samples received by the laboratory on 05/01/23 15:31.

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 92 (3') (H232123-01)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75	
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8	
Total BTX	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 93 (3') (H232123-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	48.0	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 94 (3') (H232123-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 95 (3') (H232123-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 112 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 96 (3') (H232123-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTX	<0.300	0.300	05/03/2023	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	1230	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	195	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	40.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 97 (3') (H232123-06)**

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	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTX	<0.300	0.300	05/03/2023	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	256	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	74.3	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	12.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 98 (3') (H232123-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.7	2.00	6.75		
Toluene*	<0.050	0.050	05/03/2023	ND	2.07	103	2.00	11.0		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.22	111	2.00	12.5		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.59	110	6.00	11.8		
Total BTEx	<0.300	0.300	05/03/2023	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	336	16.0	05/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	27.1	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 99 (3') (H232123-08)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	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	176	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	17.6	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 100 (3') (H232123-09)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	32.3	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 101 (3') (H232123-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	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	304	16.0	05/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	23.6	10.0	05/03/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 102 (3') (H232123-11)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTX	<0.300	0.300	05/03/2023	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	496	16.0	05/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	147	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	11.5	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/27/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 103 (3') (H232123-12)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTX	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	46.6	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 104 (4') (H232123-13)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	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	544	16.0	05/03/2023	ND	400	100	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	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	160	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	27.7	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 105 (4') (H232123-14)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	0.066	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	0.060	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	0.151	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	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	48.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 106 (4') (H232123-15)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	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	64.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 107 (4') (H232123-16)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 108 (4') (H232123-17)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	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	48.0	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 109 (4') (H232123-18)**

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	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTX	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	150	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	21.8	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 110 (4') (H232123-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTEx	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 111 (4') (H232123-20)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	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	32.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 112 (4') (H232123-21)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	13.6	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 113 (4') (H232123-22)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 114 (4') (H232123-23)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	75.4	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	10.4	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 115 (2') (H232123-24)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 116 (4') (H232123-25)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	169	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	25.4	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 117 (4') (H232123-26)**

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	05/03/2023	ND	2.00	100	2.00	3.44		
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	31.2	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 118 (4') (H232123-27)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	2.00	100	2.00	3.44	
Toluene*	<0.050	0.050	05/03/2023	ND	2.12	106	2.00	2.87	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.20	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.51	108	6.00	4.30	
Total BTX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	59.7	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 119 (4') (H232123-28)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTX	<0.300	0.300	05/03/2023	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	64.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	34.5	10.0	05/02/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 120 (4') (H232123-29)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09	
Toluene*	1.55	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69	
Ethylbenzene*	1.41	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97	
Total Xylenes*	5.89	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56	
Total BTEX	8.85	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

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	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	78.9	10.0	05/03/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	1270	10.0	05/03/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	166	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 121 (4') (H232123-30)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>4.88</b>	1.00	05/03/2023	ND	1.87	93.5	2.00	6.09	
<b>Toluene*</b>	<b>169</b>	1.00	05/03/2023	ND	1.91	95.5	2.00	4.69	
<b>Ethylbenzene*</b>	<b>98.8</b>	1.00	05/03/2023	ND	1.89	94.3	2.00	3.97	
<b>Total Xylenes*</b>	<b>329</b>	3.00	05/03/2023	ND	5.83	97.1	6.00	2.56	
<b>Total BTEX</b>	<b>602</b>	6.00	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 142 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	05/03/2023	ND	400	100	400	3.92	

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>2530</b>	10.0	05/03/2023	ND	164	82.0	200	1.61	
<b>DRO &gt;C10-C28*</b>	<b>4080</b>	10.0	05/03/2023	ND	184	92.2	200	3.46	
<b>EXT DRO &gt;C28-C36</b>	<b>455</b>	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 269 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 122 (4') (H232123-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	37.2	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 1 (0-4') (H232123-32)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	132	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	26.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 2 (0-4') (H232123-33)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	64.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 3 (0-4') (H232123-34)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09	
Toluene*	0.391	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69	
Ethylbenzene*	0.379	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97	
Total Xylenes*	1.83	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56	
Total BTEX	2.60	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

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	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.7	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	359	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	48.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 4 (0-4') (H232123-35)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 5 (0-4') (H232123-36)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	16.0	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 6 (0-4') (H232123-37)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 7 (0-4') (H232123-38)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 8 (0-4') (H232123-39)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 9 (0-4') (H232123-40)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 10 (0-4') (H232123-41)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	784	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	290	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	94.4	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 11 (0-4') (H232123-42)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	128	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	30.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	10.1	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 12 (0-4') (H232123-43)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	336	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	375	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	59.7	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 13 (0-4') (H232123-44)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	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	240	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	42.3	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	13.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 14 (0-4') (H232123-45)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	192	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 15 (0-4') (H232123-46)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	1170	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	86.4	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 16 (0-4') (H232123-47)**

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	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEx	<0.300	0.300	05/03/2023	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	5520	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	1230	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	251	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 17 (0-4') (H232123-48)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	0.063	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	54.5	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	28.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 18 (0-4') (H232123-49)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	985	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	241	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 19 (0-4') (H232123-50)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	203	10.0	05/03/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	64.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 20 (0-4') (H232123-51)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	21.7	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 21 (0-4') (H232123-52)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.149	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	0.064	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	0.198	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	0.411	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	1010	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	236	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 22 (0-4') (H232123-53)**

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	05/04/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.384	0.050	05/04/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	0.222	0.050	05/04/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	1.17	0.150	05/04/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	1.78	0.300	05/04/2023	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	1440	16.0	05/03/2023	ND	400	100	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*	43.3	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	2050	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	331	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 23 (0-4') (H232123-54)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.162	0.050	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	6.29	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	4.35	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	16.3	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEx	27.1	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	259	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	998	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	169	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 24 (0-4') (H232123-55)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	64.0	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	23.6	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	17.6	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 25 (2-4') (H232123-56)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.141	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	0.115	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	0.448	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	0.704	0.300	05/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	1180	50.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	553	50.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 26 (0-4') (H232123-57)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	233	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	54.7	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 27 (0-4') (H232123-58)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.054	0.050	05/04/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.502	0.050	05/04/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	0.183	0.050	05/04/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	0.644	0.150	05/04/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	1.38	0.300	05/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10200	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.9	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	1730	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	356	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 28 (0-2') (H232123-59)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.879	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	0.412	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	1.25	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	2.54	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16800	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	1280	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	1050	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 29 (0-4') (H232123-60)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	50.8	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	94.3	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 30 (0-4') (H232123-61)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	14.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 31 (0-3') (H232123-62)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	48.0	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 32 (0-3') (H232123-63)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	166	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	34.5	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 33 (0-3') (H232123-64)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	665	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	130	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 34 (0-3') (H232123-65)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	632	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	110	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 35 (0-3') (H232123-66)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTEX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	1780	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	358	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 36 (0-3') (H232123-67)**

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	05/03/2023	ND	1.70	85.1	2.00	8.77		
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24		
Total BTX	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	<10.0	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	29.2	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 37 (0-3') (H232123-68)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	05/04/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	<0.050	0.050	05/04/2023	ND	2.08	104	2.00	1.38	QM-07
Total Xylenes*	0.412	0.150	05/04/2023	ND	6.03	101	6.00	0.847	
Total BTEX	0.412	0.300	05/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.4	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	3310	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	631	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 38 (0-3') (H232123-69)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	0.206	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	1.40	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	1.60	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>2400</b>	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>43.0</b>	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	<b>3400</b>	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	<b>687</b>	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 39 (0-3') (H232123-70)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	0.053	0.050	05/04/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	0.326	0.050	05/04/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	2.09	0.150	05/04/2023	ND	6.03	101	6.00	0.847	
Total BTEX	2.47	0.300	05/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	66.6	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	3800	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	810	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 40 (0-3') (H232123-71)**

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	05/03/2023	ND	1.93	96.3	2.00	1.18		
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847		
Total BTEx	<0.300	0.300	05/03/2023	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	112	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	15.7	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 41 (0-3') (H232123-72)**

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	05/03/2023	ND	1.93	96.3	2.00	1.18		
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847		
Total BTEx	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/03/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	156	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	28.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 42 (0-3') (H232123-73)**

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	05/03/2023	ND	1.93	96.3	2.00	1.18		
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	05/03/2023	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	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	539	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	129	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 43 (0-3') (H232123-74)**

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	05/03/2023	ND	1.93	96.3	2.00	1.18		
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847		
Total BTX	<0.300	0.300	05/03/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/03/2023	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	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	134	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	36.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 44 (0-3') (H232123-75)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.3	2.00	1.18		
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847		
Total BTEx	<0.300	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	4880	16.0	05/03/2023	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	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	1200	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	212	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/01/2023	Sampling Date:	04/28/2023
Reported:	05/04/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 45 (0-3') (H232123-76)**

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	05/03/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	0.062	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	0.080	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	0.429	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTX	0.571	0.300	05/03/2023	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	3840	16.0	05/03/2023	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	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	495	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	109	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=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: H232123

Page 10 of 17

Page 79 of 86

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> RI <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O				
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me				
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN				
PO #:	35000				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"/>	HOLD 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 Comments			
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																					
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°																					
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3°																					
Total Containers:				166	Corrected Temperature:	-5.9°																					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-92 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-93 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-94 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-95 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-96 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-97 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-98 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-99 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-100 (3')	4/27/2023		x		Comp	1	x	x	x																		
CS-101 (3')	4/27/2023		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
1	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: 4232123Page 11 of 17

Page 80 of 86

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:		Sheba #3		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Due Date:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Parameters</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX 8021B</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH 8015M (GRO + DRO + MRO)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride 4500</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">HOLD</div> </div>												None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co, New Mexico		TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool MeOH: Me							
Sampler's Name:		Kenny Han																		HCL: HC HNO <sub>3</sub> : HN							
PO #:		35000																		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"/>		Thermometer ID:		113																	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C																	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		-5.3°C																					
Total Containers:		166		Corrected Temperature:		-5.9°C																					
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-102 (3')		4/27/2023				x				Comp		1		x x x													
CS-103 (3')		4/27/2023				x				Comp		1		x x x													
CS-104 (4')		4/28/2023				x				Comp		1		x x x													
CS-105 (4')		4/28/2023				x				Comp		1		x x x													
CS-106 (4')		4/28/2023				x				Comp		1		x x x													
CS-107 (4')		4/28/2023				x				Comp		1		x x x													
CS-108 (4')		4/28/2023				x				Comp		1		x x x													
CS-109 (4')		4/28/2023				x				Comp		1		x x x													
CS-110 (4')		4/28/2023				x				Comp		1		x x x													
CS-111 (4')		4/28/2023				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
1 <i>[Signature]</i>	2 <i>[Signature]</i>	5-1-23 1531	3	4	
5			6		



## Chain of Custody

Work Order No: H232123

Page 12 of 17

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Sheba #3		Turn Around		Pres. Code		ANALYSIS REQUEST																Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																				None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me							
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN							
PO #:		35000																						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"/> <th colspan="2">Wet Ice:</th> <th colspan="2">Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <th colspan="2">Parameters</th> <th colspan="16">HOLD</th> <th colspan="2">H<sub>3</sub>PO<sub>4</sub>: HP</th> </th>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <th colspan="2">Parameters</th> <th colspan="16">HOLD</th> <th colspan="2">H<sub>3</sub>PO<sub>4</sub>: HP</th>		Parameters		HOLD																H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113				BTEX 8021B																		NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C				TPH 8015M (GRO + DRO + MRO)																		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		-5.3°C				Chloride 4500																		Zn Acetate+NaOH: Zn			
Total Containers:		166		Corrected Temperature:		-5.9°C																						NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																		Sample Comments	
CS-112 (4')		4/28/2023				x				Comp		1		x x x																	
CS-113 (4')		4/28/2023				x				Comp		1		x x x																	
CS-114 (4')		4/28/2023				x				Comp		1		x x x																	
CS-115 (2')		4/28/2023				x				Comp		1		x x x																	
CS-116 (4')		4/28/2023				x				Comp		1		x x x																	
CS-117 (4')		4/28/2023				x				Comp		1		x x x																	
CS-118 (4')		4/28/2023				x				Comp		1		x x x																	
CS-119 (4')		4/28/2023				x				Comp		1		x x x																	
CS-120 (4')		4/28/2023				x				Comp		1		x x x																	
CS-121 (4')		4/28/2023				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	
1 <i>[Signature]</i>		2 <i>[Signature]</i>		5-1-23 1531		3					
4						5					



## Chain of Custody

Work Order No: 41232123

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Page 82 of 86

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O				
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me				
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN				
PO #:	35000				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 type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	HOLD 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 Comments		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6																								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3																								
Total Containers:	166	Corrected Temperature:	-5.9																								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-122 (4')	4/28/2023		x		Comp	1	x	x	x																		
SW-1 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-2 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-3 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-4 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-5 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-6 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-7 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-8 (0-4')	4/28/2023		x		Comp	1	x	x	x																		
SW-9 (0-4')	4/28/2023		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
1	<i>[Signature]</i>	4-28-23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: H232123

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State Zip:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO		DI Water: H <sub>2</sub> O		
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool		MeOH: Me		
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC		HNO <sub>3</sub> : HN		
PO #:	35000				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"/>	HOLD																H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113	NaHSO <sub>4</sub> : NABIS																				
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																				
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3	Zn Acetate+NaOH: Zn																				
Total Containers:				166	Corrected Temperature:	-5.9	NaOH+Ascorbic Acid: SAPC																				
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
SW-10 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-11 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-12 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-13 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-14 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-15 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-16 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-17 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-18 (0-4')		4/28/2023		x		Comp	1	x	x	x																	
SW-19 (0-4')		4/28/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: 41232123Page 15 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

<b>Work Order Comments</b>	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Ld <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	<div style="display: flex; justify-content: space-between;"> <div>BTEX 8021B</div> <div>TPI 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>												None: NO DI Water: H <sub>2</sub> O				
Project Location		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me				
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN				
PO #:		35000				Parameters														<div style="display: flex; justify-content: space-between;"> <div>BTEX 8021B</div> <div>TPI 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>				
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: 113			NaHSO <sub>4</sub> : NABIS																	
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor: -0.6°C			Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading: -5.3°C		Parameters	<div style="display: flex; justify-content: space-between;"> <div>BTEX 8021B</div> <div>TPI 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>												Zn Acetate+NaOH: Zn					
Total Containers:		166		Corrected Temperature: -5.9°C															NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
SW-20 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-21 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-22 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-23 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-24 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-25 (2-4')		4/28/2023		x		Comp	1	x	x	x														
SW-26 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-27 (0-4')		4/28/2023		x		Comp	1	x	x	x														
SW-28 (0-2')		4/28/2023		x		Comp	1	x	x	x														
SW-29 (0-4')		4/28/2023		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
1 <i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: 11232123Page 16 of 17

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Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Prec. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, New Mexico		Due Date:																				Cool: Cool MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO <sub>3</sub> : HN	
PO #:	35000				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"/>	HOLD 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																
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																		
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6																		
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3																		
Total Containers:				166	Corrected Temperature:	-5.9																		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
SW-30 (0-4')	4/28/2023		x		Comp	1	x	x	x															
SW-31 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-32 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-33 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-34 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-35 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-36 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-37 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-38 (0-3')	4/28/2023		x		Comp	1	x	x	x															
SW-39 (0-3')	4/28/2023		x		Comp	1	x	x	x															

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531			





Page 17 of 17



Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments				
Program: UST/PS	PR	Brownfie	R	Sup
State of Project:				
Reporting: Level	Level	PST/U	TR	Ld
Deliverables: EDD	ADaP	Other:		

[illegible]

Additional Comments:

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Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				5-1-23 1531	2				
3					4				
5					6				



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

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May 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 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/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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 123 2' (H232375-01)**

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	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTX	<0.300	0.300	05/13/2023	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	304	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386		
DRO >C10-C28*	37.5	10.0	05/13/2023	ND	218	109	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 124 3' (H232375-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	0.063	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEx	<0.300	0.300	05/13/2023	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	1170	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	401	100	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<100	100	05/13/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 125 3' (H232375-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 112 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 126 3' (H232375-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 127 3' (H232375-05)**

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	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	24.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 128 3' (H232375-06)**

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	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 129 3' (H232375-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEx	<0.300	0.300	05/13/2023	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	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 130 3' (H232375-08)**

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	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	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	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 131 3' (H232375-09)**

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	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEx	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 132 3' (H232375-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 133 3' (H232375-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 134 3' (H232375-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 135 3' (H232375-13)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTX	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 116 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 136 3' (H232375-14)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 137 3' (H232375-15)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	213	107	200	1.29	
DRO >C10-C28*	26.2	10.0	05/12/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 138 3' (H232375-16)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTX	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 139 3' (H232375-17)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	44.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	18.3	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 140 3' (H232375-18)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 141 3' (H232375-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 142 3' (H232375-20)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	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	2760	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	390	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	53.3	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 143 0.5' (H232375-21)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 144 0.5' (H232375-22)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	128	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 145 0.5' (H232375-23)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	288	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 146 0.5' (H232375-24)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	10.4	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 147 0.5' (H232375-25)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 148 0.5' (H232375-26)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 149 0.5' (H232375-27)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 150 0.5' (H232375-28)**

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	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	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	240	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	20.9	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 151 0.5' (H232375-29)**

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	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 152 0.5' (H232375-30)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 153 0.5' (H232375-31)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	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	192	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	90.3	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	12.7	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 154 0.5' (H232375-32)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	448	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	717	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	115	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 155 0.5' (H232375-33)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 156 0.5' (H232375-34)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTX	<0.300	0.300	05/13/2023	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	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 157 0.5' (H232375-35)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	204	102	200	2.81	
DRO >C10-C28*	12.6	10.0	05/12/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 158 0.5' (H232375-36)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 159 0.5' (H232375-37)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received: 05/11/2023  
Reported: 05/16/2023  
Project Name: SHEBA #3  
Project Number: 237274  
Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/11/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shari Cisneros

**Sample ID: CS - 160 0.5-2' (H232375-38)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 161 2' (H232375-39)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 162 2' (H232375-40)**

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	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTEx	<0.300	0.300	05/13/2023	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	160	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	12.6	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 163 2' (H232375-41)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 164 2' (H232375-42)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 165 2' (H232375-43)**

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	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTEx	<0.300	0.300	05/13/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 166 2' (H232375-44)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	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	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 167 2' (H232375-45)**

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	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 168 2' (H232375-46)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 169 2' (H232375-47)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9		
Total BTX	<0.300	0.300	05/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 170 2' (H232375-48)**

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	05/14/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9	
Total BTEx	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 171 2' (H232375-49)**

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	05/14/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9		
Total BTEx	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 172 2' (H232375-50)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEx	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 173 2' (H232375-51)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEx	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 174 4' (H232375-52)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 175 4' (H232375-53)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 176 0.5' (H232375-54)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 177 0.5-3' (H232375-55)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	29.1	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 178 0.5' (H232375-56)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTX	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 46 0-2' (H232375-57)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	1.42	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	0.910	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	3.64	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEX	5.97	0.300	05/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	14.8	10.0	05/13/2023	ND	184	92.1	200	1.06		
DRO >C10-C28*	152	10.0	05/13/2023	ND	202	101	200	0.745		
EXT DRO >C28-C36	39.6	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 47 0-3' (H232375-58)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.422</b>	0.200	05/15/2023	ND	2.22	111	2.00	15.2	
<b>Toluene*</b>	<b>17.9</b>	0.200	05/15/2023	ND	2.19	110	2.00	16.0	
<b>Ethylbenzene*</b>	<b>11.4</b>	0.200	05/15/2023	ND	2.16	108	2.00	16.2	
<b>Total Xylenes*</b>	<b>43.4</b>	0.600	05/15/2023	ND	6.53	109	6.00	16.1	
<b>Total BTEX</b>	<b>73.2</b>	1.20	05/15/2023	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
<b>Chloride</b>	<b>192</b>	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>147</b>	10.0	05/13/2023	ND	184	92.1	200	1.06	
<b>DRO &gt;C10-C28*</b>	<b>639</b>	10.0	05/13/2023	ND	202	101	200	0.745	
<b>EXT DRO &gt;C28-C36</b>	<b>79.5</b>	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 48 0-3' (H232375-59)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.159	0.050	05/15/2023	ND	2.22	111	2.00	15.2	
Toluene*	5.49	0.050	05/15/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	3.78	0.050	05/15/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	15.4	0.150	05/15/2023	ND	6.53	109	6.00	16.1	
Total BTEx	24.9	0.300	05/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4680	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.3	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	277	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	42.3	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 49 0-3' (H232375-60)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	0.062	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	0.229	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	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	6000	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
<b>DRO &gt;C10-C28*</b>	<b>22.7</b>	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 50 0-3' (H232375-61)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	0.114	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	0.252	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	0.366	0.300	05/14/2023	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	4800	16.0	05/15/2023	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	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	567	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	173	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 51 0-3' (H232375-62)**

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	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	0.133	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	0.138	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	0.630	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	0.902	0.300	05/14/2023	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	4480	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	25.9	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 52 1-3' (H232375-63)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 53 0-3' (H232375-64)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	13.5	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 54 0-4' (H232375-65)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	160	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 55 0-4' (H232375-66)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	752	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 56 0-0.5' (H232375-67)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	128	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 57 0.5-3' (H232375-68)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	112	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 58 0-0.5' (H232375-69)**

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	05/14/2023	ND	2.22	111	2.00	15.2		
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1		
Total BTEx	<0.300	0.300	05/14/2023	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	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	12.9	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 59 0.5-1' (H232375-70)**

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEx	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 60 0.5-2' (H232375-71)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	112	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	18.9	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 69.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 61 0-2' (H232375-72)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 62 0-2' (H232375-73)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	96.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 63 0-1' (H232375-74)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	64.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 64 0-1.5' (H232375-75)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	720	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	36.8	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 65 0-4' (H232375-76)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	800	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 66 0.5-3' (H232375-77)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	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	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 67 0.5-2' (H232375-78)**

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	05/13/2023	ND	2.12	106	2.00	1.81		
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37		
Total BTEx	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 68 0-0.5' (H232375-79)**

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEx	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 69 0.5-3' (H232375-80)**

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	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEx	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
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



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NIG E</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																															
Project Manager: <u>Berly Hadfield</u>				P.O. #: <u>35000</u>				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> </div>																															
Address: <u>701 Trade Winds Blvd</u>				Company: <u>Permian Resources</u>																																			
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>																																			
Phone #: <u>432-766-1918</u> Fax #:				Address:																																			
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:																																			
Project Name: <u>Sheba #3</u>				State: Zip:																																			
Project Location: <u>Lea Co, NM</u>				Phone #:																																			
Sampler Name: <u>Kenny Hart</u>				Fax #:																																			
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																											
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
<u>H232375</u>																																							
<u>1</u>		<u>CS-123</u>		<u>2'</u>		<u>1</u>						<u>X</u>														<u>5/11/23</u>		<u>11:48</u>											
<u>2</u>		<u>CS-124</u>		<u>3'</u>																								<u>11:50</u>											
<u>3</u>		<u>CS-125</u>		<u>3'</u>																								<u>11:52</u>											
<u>4</u>		<u>CS-126</u>		<u>3'</u>																								<u>11:54</u>											
<u>5</u>		<u>CS-127</u>		<u>3'</u>																								<u>11:56</u>											
<u>6</u>		<u>CS-128</u>		<u>3'</u>																								<u>11:58</u>											
<u>7</u>		<u>CS-129</u>		<u>3'</u>																								<u>12:00</u>											
<u>8</u>		<u>CS-130</u>		<u>3'</u>																								<u>12:02</u>											
<u>9</u>		<u>CS-131</u>		<u>3'</u>																								<u>12:04</u>											
<u>10</u>		<u>CS-132</u>		<u>3'</u>																								<u>12:06</u>											

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Relinquished By: <u>Kenny Hart</u>		Date: <u>5/11/23</u>		Received By: <u>Shan Cisneros</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>16:40</u>		Received By:		All Results are emailed. Please provide Email address:	
Date:		Time:		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C <u>3.8</u>		Sample Condition		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.2</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <u>AC</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	
						Thermometer ID #113	
						Correction Factor -0.6°C	

FORM-006 R 3.3 07/18/22

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





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NIG E</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <u>Berly Hagel</u>				P.O. #: <u>35000</u>																							
Address: <u>701 Tradewinds Blvd</u>				Company: <u>Permian Resources</u>																							
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>																							
Phone #: <u>432-766-1918</u> Fax #:				Address:																							
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:																							
Project Name: <u>Sheba #3</u>				State: Zip:																							
Project Location: <u>lea Co, NM</u>				Phone #:																							
Sampler Name: <u>Kenny Hart</u>				Fax #:																							
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H232375</u>																											
<u>11</u>	<u>CS-133</u>	<u>3'</u>	<u>C</u>	<u>1</u>		<u>X</u>							<u>5/11/23</u>	<u>12:08</u>	<u>BTEX</u>	<u>Chloride</u>	<u>TPH</u>										
<u>12</u>	<u>CS-134</u>	<u>3'</u>												<u>12:10</u>													
<u>13</u>	<u>CS-135</u>	<u>3'</u>												<u>12:12</u>													
<u>14</u>	<u>CS-136</u>	<u>3'</u>												<u>12:14</u>													
<u>15</u>	<u>CS-137</u>	<u>3'</u>												<u>12:16</u>													
<u>16</u>	<u>CS-138</u>	<u>3'</u>												<u>12:18</u>													
<u>17</u>	<u>CS-139</u>	<u>3'</u>												<u>12:20</u>													
<u>18</u>	<u>CS-140</u>	<u>3'</u>												<u>12:22</u>													
<u>19</u>	<u>CS-141</u>	<u>3'</u>												<u>12:24</u>													
<u>20</u>	<u>CS-142</u>	<u>3'</u>												<u>12:26</u>													

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Relinquished By: <u>Kenny Hart</u>	Date: <u>5/11/23</u> Time: <u>11:40</u>	Received By: <u>Shari Cinceros</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <u>3.8</u>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>3.2</u>	CHECKED BY: (Initials) <u>SP</u>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C
Thermometer ID #113 Correction Factor -0.6°C			

† Cardinal cannot accept verbal changes. Please email changes to c@ley.keene@cardinallabs.com



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>Company Name:</b> NGE				P.O. #:	3500W		
<b>Project Manager:</b> Becky Hagel				Company:	Permian Resources		
<b>Address:</b> 701 Tradewinds Blvd				Attn:	Montgomery Floyd		
<b>City:</b> Midland	<b>State:</b> TX	<b>Zip:</b> 79701		<b>Address:</b>			
<b>Phone #:</b> 432-766-1918	<b>Fax #:</b>			<b>City:</b>			
<b>Project #:</b> 237274	<b>Project Owner:</b> Permian			<b>State:</b>	<b>Zip:</b>		
<b>Project Name:</b> Sheba #3				<b>Phone #:</b>			
<b>Project Location:</b> Lea Co., NM				<b>Fax #:</b>			
<b>Sampler Name:</b> Penny Hart							

FOR LAB USE ONLY				MATRIX	PRESERV.	SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE:  ICE / COOL OTHER :	DATE	TIME
A#232375		C	1	X		5/11/23	12:48
31	CS-153	G	1	X			12:50
32	CS-154	G	1	X			12:52
33	CS-155	G	1	X			12:54
34	CS-156	G	1	X			12:56
35	CS-157	G	1	X			12:58
36	CS-158	G	1	X			1:00
37	CS-159	G	1	X			1:02
38	CS-160	G	1	X			1:04
39	CS-161	G	1	X			1:06
40	CS-162	G	1	X			

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Relinquished By:	Date:	Received By:	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   Add'l Phone #:
Kenny Hart	5/11/23	[Signature]	All Results are emailed. Please provide Email address:
	Time:		REMARKS:
Date:		Received By:	
Time:			

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials) [Signature]	Standard Rush	Cool Intact Observed Temp °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
				Thermometer ID #113 Correction Factor -.6°C	Corrected Temp. °C



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>NIG E</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Berly Hagel</u>				P.O. #: <u>35000</u>				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> </div>											
Address: <u>701 Tradewinds Blvd</u>				Company: <u>Permian Resources</u>															
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>															
Phone #: <u>432-766-1918</u> Fax #:				Address:															
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:															
Project Name: <u>Sheba #3</u>				State: Zip:															
Project Location: <u>Loc 60, NM</u>				Phone #:															
Sampler Name: <u>Kenny Hart</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING					
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME					
<u>H232375</u>																			
<u>41</u>		<u>CS-163</u>		<u>2'</u>		<u>C</u>		<u>1</u>		<u>X</u>				<u>5/11/23</u> <u>1:08</u>					
<u>42</u>		<u>CS-164</u>		<u>2'</u>										<u>1:10</u>					
<u>43</u>		<u>CS-165</u>		<u>2'</u>										<u>1:12</u>					
<u>44</u>		<u>CS-166</u>		<u>2'</u>										<u>1:14</u>					
<u>45</u>		<u>CS-167</u>		<u>2'</u>										<u>1:16</u>					
<u>46</u>		<u>CS-168</u>		<u>2'</u>										<u>1:18</u>					
<u>47</u>		<u>CS-169</u>		<u>2'</u>										<u>1:20</u>					
<u>48</u>		<u>CS-170</u>		<u>2'</u>										<u>1:22</u>					
<u>49</u>		<u>CS-171</u>		<u>2'</u>										<u>1:24</u>					
<u>50</u>		<u>CS-172</u>		<u>2'</u>										<u>1:26</u>					

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Relinquished By: <u>Kenny Hart</u>		Date: <u>5/11/23</u>	Received By: <u>Shari Cinceros</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>16:40</u>	Received By:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Date:	REMARKS:			
Sampler - UPS - Bus - Other:		Time:				
Observed Temp. °C <u>3.8</u>		Sample Condition		CHECKED BY: (Initials) <u>SC</u>		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Corrected Temp. °C <u>3.2</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				Bacteria (only) Sample Condition
FORM-006 R 3.3 07/16/22				Thermometer ID #113		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
				Correction Factor -0.6°C		Observed Temp. °C
						Corrected Temp. °C

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTE</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Billy Hagel</u>				P.O. #: <u>35000</u>															
Address: <u>701 Tradewinds Blvd</u>				Company: <u>Permian Resources</u>															
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>															
Phone #: <u>432-766-1918</u> Fax #:				Address:															
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:															
Project Name: <u>Sheba #3</u>				State: Zip:															
Project Location: <u>Lea Co, NM</u>				Phone #:															
Sampler Name: <u>Kenny Hahn</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(GRAB OR C/COMP)		# CONTAINERS		MATRIX			PRESERV.		SAMPLING		<u>BTEX</u> <u>Chloride</u> <u>TPH</u>				
								GROUNDWATER			ACID/BASE		DATE						
								WASTEWATER			ICE / COOL		TIME						
								SOIL			OTHER								
								OIL											
								SLUDGE											
								OTHER											
<u>H2323 X</u>																			
<u>51</u>		<u>CS-173</u>		<u>2'</u>		<u>C</u>		<u>X</u>					<u>5/11/23</u>		<u>1:28</u>				
<u>52</u>		<u>CS-174</u>		<u>4'</u>											<u>1:30</u>				
<u>53</u>		<u>CS-175</u>		<u>4'</u>											<u>1:32</u>				
<u>54</u>		<u>CS-176</u>		<u>0.5'</u>											<u>1:34</u>				
<u>55</u>		<u>CS-177</u>		<u>0.5'-3'</u>											<u>1:36</u>				
<u>56</u>		<u>CS-178</u>		<u>0.5'</u>											<u>1:38</u>				
<u>57</u>		<u>SW-46</u>		<u>0-2'</u>											<u>1:40</u>				
<u>58</u>		<u>SW-47</u>		<u>0-3'</u>											<u>1:42</u>				
<u>59</u>		<u>SW-48</u>		<u>0-3'</u>											<u>1:44</u>				
<u>60</u>		<u>SW-49</u>		<u>0-3'</u>											<u>1:46</u>				

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Relinquished By: <u>Kenny Hahn</u>		Date: <u>5/11/23</u>	Received By: <u>Shari Cisneros</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>11:40</u>	Received By:		All Results are emailed. Please provide Email address:	
Date:		Time:		REMARKS:		
Delivered By: (Circle One)		Observed Temp. °C <u>3.8</u>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.2</u>	Cool Intact	<u>SC</u>	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Cool Intact Observed Temp. °C
FORM-006 R 3.5 5/7/18/22		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No
						Corrected Temp. °C

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NIG E</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Berly Hagel</u>				P.O. #: <u>35000</u>															
Address: <u>701 Tradewinds Blvd</u>				Company: <u>Permian Recovery</u>															
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>															
Phone #: <u>432-766-1918</u> Fax #:				Address:															
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:															
Project Name: <u>Sheba #3</u>				State: Zip:															
Project Location: <u>Lea Co, NM</u>				Phone #:															
Sampler Name: <u>Lenny Hart</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING		<u>BTEX</u> <u>Chloride</u> <u>TPH</u>							
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME									
<u>H232375</u>				<u>C 1</u>		<u>X</u>				<u>5/11/23</u> <u>1:48</u>									
<u>61</u>		<u>SW-50</u> <u>0-3'</u>								<u>1:50</u>									
<u>62</u>		<u>SW-51</u> <u>0-3'</u>								<u>1:52</u>									
<u>63</u>		<u>SW-52</u> <u>1-3'</u>								<u>1:54</u>									
<u>64</u>		<u>SW-53</u> <u>0-3'</u>								<u>1:56</u>									
<u>65</u>		<u>SW-54</u> <u>0-4'</u>								<u>1:58</u>									
<u>66</u>		<u>SW-55</u> <u>0-4'</u>								<u>2:00</u>									
<u>67</u>		<u>SW-56</u> <u>0-0.5'</u>								<u>2:02</u>									
<u>68</u>		<u>SW-57</u> <u>0.5-3'</u>								<u>2:04</u>									
<u>69</u>		<u>SW-58</u> <u>0-0.5'</u>								<u>2:06</u>									
<u>70</u>		<u>SW-59</u> <u>0.5-1'</u>																	

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Relinquished By: <u>Lenny Hart</u>		Date: <u>5/11/23</u>	Received By: <u>Shari Dineen</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>16:40</u>	Received By:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Date:	Time:		REMARKS:	
Sampler - UPS - Bus - Other:		Observed Temp. °C <u>3.8</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Corrected Temp. °C <u>3.2</u>		CHECKED BY: (Initials) <u>SC</u>		Thermometer ID #113 Correction Factor -0.8°C		
				Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C		

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





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NIG E</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Betsy Haglund</u>				P.O. #: <u>35000</u>															
Address: <u>701 Tradewinds Blvd</u>				Company: <u>Permian Resources</u>															
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>				Attn: <u>Montgomery Floyd</u>															
Phone #: <u>432-766-1918</u> Fax #:				Address:															
Project #: <u>237274</u> Project Owner: <u>Permian</u>				City:															
Project Name: <u>Sheba #3</u>				State: Zip:															
Project Location: <u>Lea Co, NM</u>				Phone #:															
Sampler Name: <u>Kenny Hahn</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		MATRIX			PRESERV.		SAMPLING		<u>BTEX</u> <u>Chloride</u> <u>TPH</u>				
								GROUNDWATER			ACID/BASE:		DATE						
								WASTEWATER			ICE / COOL		TIME						
								SOIL			OTHER:								
								OIL											
								SLUDGE											
								OTHER:											
<u>H232375</u>																			
<u>71</u>		<u>SW-60</u>		<u>0.5-2'</u>		<u>1</u>							<u>5/11/23</u>		<u>2:08</u>				
<u>72</u>		<u>SW-61</u>		<u>0-2'</u>											<u>2:10</u>				
<u>73</u>		<u>SW-62</u>		<u>0-2'</u>											<u>2:12</u>				
<u>74</u>		<u>SW-63</u>		<u>0-1'</u>											<u>2:14</u>				
<u>75</u>		<u>SW-64</u>		<u>0-1.5'</u>											<u>2:16</u>				
<u>76</u>		<u>SW-65</u>		<u>0-4'</u>											<u>2:18</u>				
<u>77</u>		<u>SW-66</u>		<u>0.5-3'</u>											<u>2:20</u>				
<u>78</u>		<u>SW-67</u>		<u>0.5-2'</u>											<u>2:22</u>				
<u>79</u>		<u>SW-68</u>		<u>0-0.5'</u>											<u>2:24</u>				
<u>80</u>		<u>SW-69</u>		<u>0.5-3'</u>											<u>2:26</u>				

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Relinquished By:

Kenny Hahn

Relinquished By:

Date: 5/11/23  
Time: 16:40

Received By:

Shari Cline

Received By:

Date:   
Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition  
Cool Intact  
☒ Yes ☒ Yes  
☐ No ☐ No

CHECKED BY:  
(Initials)  
SC

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

REMARKS:

Turnaround Time:

Standard ☒  
Rush ☐

Thermometer ID #113  
Correction Factor -0.6°C

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

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

May 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 12:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 11A (5') (H232496-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265	
<b>Toluene*</b>	<b>0.053</b>	0.050	05/19/2023	ND	2.33	116	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57	
Total BTEX	<0.300	0.300	05/19/2023	ND					

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 19A (5') (H232496-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 20A (5') (H232496-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	11.3	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 21A (5') (H232496-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 30A (5') (H232496-05)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	11.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 33A (5') (H232496-06)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 37A ( 4.5' ) (H232496-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 38A ( 4.5' ) (H232496-08)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 40A ( 4.5' ) (H232496-09)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	19.1	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 42A ( 4.5' ) (H232496-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	15.6	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 43A ( 4.5' ) (H232496-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 44A ( 4.5' ) (H232496-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	59.7	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 51A ( 4' ) (H232496-13)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 53A ( 4' ) (H232496-14)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 57A ( 4' ) (H232496-15)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/19/2023	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	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 63A ( 4' ) (H232496-16)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/19/2023	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	05/18/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 71A ( 3.5' ) (H232496-17)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/18/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 77A ( 4' ) (H232496-18)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/18/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 83A ( 4' ) (H232496-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/18/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 85A ( 4' ) (H232496-20)**

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	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEx	<0.300	0.300	05/19/2023	ND						

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

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	05/19/2023	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	05/18/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 87A ( 4' ) (H232496-21)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 92A ( 4' ) (H232496-22)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 96A ( 4' ) (H232496-23)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 102A ( 3.5' ) (H232496-24)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 104A ( 4.5' ) (H232496-25)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 109A ( 4.5' ) (H232496-26)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	0.104	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 116A ( 5' ) (H232496-27)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 120A ( 5' ) (H232496-28)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	0.337	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	0.095	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	0.222	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	0.654	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	12.1	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 121A ( 5' ) (H232496-29)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	0.112	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 62.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 1A (0-5') (H232496-30)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 3A (0-5') (H232496-31)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	40.6	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	15.8	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 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  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 10A ( 0-5' ) (H232496-32)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	18.1	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 12A ( 0-5' ) (H232496-33)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 15A ( 0-4.5' ) (H232496-34)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-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	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 19A ( 0-5' ) (H232496-35)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/19/2023	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	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	20.4	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 20A ( 0-4' ) (H232496-36)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	05/19/2023	ND	400	100	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	05/18/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	35.7	10.0	05/18/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 26A ( 0-4' ) (H232496-37)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 61.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 27A ( 0-4' ) (H232496-38)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	26.9	10.0	05/18/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 29A ( 0-4' ) (H232496-39)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 32A ( 0-3' ) (H232496-40)**

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	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 33A ( 0-3' ) (H232496-41)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 34A ( 0-3' ) (H232496-42)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 35A ( 0-4' ) (H232496-43)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 37A ( 0-3' ) (H232496-44)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 38A ( 0-4' ) (H232496-45)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 39A ( 0-3' ) (H232496-46)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEx	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 41A ( 0-3' ) (H232496-47)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	18.9	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 BECKY HASKELL  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 42A ( 0-3' ) (H232496-48)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTX	<0.300	0.300	05/20/2023	ND						

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

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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  
BECKY HASKELL  
701 TRADEWINDS BLVD. SUITE C  
MIDLAND TX, 79706  
Fax To:

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 43A ( 0-3' ) (H232496-49)**

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	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

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	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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: H23249

Page 1 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <b>NTG</b>
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Martenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3	Turn Around <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Number:	237274		
Project Location:	Lea Co, New Mexico	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	35000		

SAMPLE RECEIPT			
Received Intact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Thermometer ID:	773
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6
Total Containers:	49	Temperature Reading:	-5.0
		Corrected Temperature:	-5.6

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters
CS-11A (5')	5/16/2023	12:40	x		Comp	1	BTEX 8021B
CS-19A (5')	5/16/2023	12:42	x		Comp	1	TPH 8015M (GRO + DRO + MRO)
CS-20A (5')	5/16/2023	12:44	x		Comp	1	Chloride 4500
CS-21A (5')	5/16/2023	12:46	x		Comp	1	
CS-30A (5')	5/16/2023	12:48	x		Comp	1	
CS-33A (5')	5/16/2023	12:50	x		Comp	1	
CS-37A (4.5')	5/16/2023	12:52	x		Comp	1	
CS-38A (4.5')	5/16/2023	12:54	x		Comp	1	
CS-40A (4.5')	5/16/2023	12:56	x		Comp	1	
CS-42A (4.5')	5/16/2023	12:58	x		Comp	1	

## ANALYSIS REQUEST

## 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 Comments

## Additional Comments:

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		5/17/23 8:40 AM			5-17-23 1205





## Chain of Custody

Work Order No: H232496Page 2 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marnefeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> R <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Lab <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Sheba #3	Turn Around	
Project Number:	237274	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Location:	Lea Co, New Mexico	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	35000		
<b>SAMPLE RECEIPT</b>			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Thermometer ID:	113
Total Containers:	49	Correction Factor:	-0.6
		Temperature Reading:	-5.0
		Corrected Temperature:	-5.6

ANALYSIS REQUEST										Preservative Codes		
Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500								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 Comments		

Additional Comments: \* Customer requested date changes

TO: 5/18/23

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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>	5/17/23 8:40am	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205





## Chain of Custody

Work Order No: H232496

Page 3 of 5

Page 54 of 56

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <b>NTG</b>
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3	Turn Around	
Project Number:	237274	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Location:	Lea Co, New Mexico	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	35000		
<b>SAMPLE RECEIPT</b>			
Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Received Intact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	113
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.1°C
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.0°C
Total Containers:	49	Corrected Temperature:	-5.6°C

ANALYSIS REQUEST										Preservative Codes		
Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD						None: NO	DI Water: H <sub>2</sub> O	
						Cool: Cool	MeOH: Me					
						HCL: HC	HNO <sub>3</sub> : HN					
						H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na					
						H <sub>3</sub> PO <sub>4</sub> : HP						
						NaHSO <sub>4</sub> : NABIS						
						Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>						
						Zn Acetate+NaOH: Zn						
						NaOH+Ascorbic Acid: SAPC						
											Sample Comments	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont						
CS-87A (4')	5/16/2023	1:20	x		Comp	1	x	x	x			
CS-92A (4')	5/16/2023	1:22	x		Comp	1	x	x	x			
CS-96A (4')	5/16/2023	1:24	x		Comp	1	x	x	x			
CS-102A (3.5')	5/16/2023	1:26	x		Comp	1	x	x	x			
CS-104A (4.5')	5/16/2023	1:28	x		Comp	1	x	x	x			
CS-109A (4.5')	5/16/2023	1:30	x		Comp	1	x	x	x			
CS-116A (5')	5/16/2023	1:32	x		Comp	1	x	x	x			
CS-120A (5')	5/16/2023	1:34	x		Comp	1	x	x	x			
CS-121A (5')	5/16/2023	1:36	x		Comp	1	x	x	x			
SW-1A (0-5')	5/16/2023	1:38	x		Comp	1	x	x	x			

Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	5/17/23 5:02	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 12:5





## Chain of Custody

Work Order No: H232496Page 4 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <b>NTG</b>
Company Name:	NTG Environmental	Company Name:	Permian Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marinenfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes									
Project Number:	237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush													None: NO DI Water: H <sub>2</sub> O									
Project Location:	Lea Co, New Mexico		Due Date:													Cool: Cool MeOH: Me									
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC HNO <sub>3</sub> : HN									
PO #:	35000				Parameters											H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na									
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											H <sub>3</sub> PO <sub>4</sub> : HP							
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113													NaHSO <sub>4</sub> : NABIS									
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C													Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>									
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.0°C													Zn Acetate+NaOH: Zn									
Total Containers:	49		Corrected Temperature:	-5.6°C												NaOH+Ascorbic Acid: SAPC									
														HOLD										Sample Comments	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																			
SW-3A (0-5')	4/27/2023	1:40	x		Comp	1	x	x	x																
SW-10A (0-5')	4/27/2023	1:42	x		Comp	1	x	x	x																
SW-12A (0-5')	4/27/2023	1:44	x		Comp	1	x	x	x																
SW-15A (0-4.5')	4/27/2023	1:46	x		Comp	1	x	x	x																
SW-19A (0-5')	4/27/2023	1:48	x		Comp	1	x	x	x																
SW-20A (0-4')	4/27/2023	1:50	x		Comp	1	x	x	x																
SW-26A (0-4')	4/27/2023	1:52	x		Comp	1	x	x	x																
SW-27A (0-4')	4/27/2023	1:54	x		Comp	1	x	x	x																
SW-29A (0-4')	4/27/2023	1:56	x		Comp	1	x	x	x																
SW-32A (0-3')	4/27/2023	1:58	x		Comp	1	x	x	x																

Additional Comments: \* Customer Requested Date Changes. TO: 5/18/23

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<i>[Signature]</i>	<i>[Signature]</i>	5/17/23 6:42	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205





## Chain of Custody

Work Order No: 4232490

Page 5 of 5

Page 56 of 56

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <b>NTG</b>
Company Name:	NTG Environmental	Company Name:	Perman Resources
Address:	701 Tradewinds Blvd.	Address:	300 N. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting: Level	<input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Lab <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Sheba #3	Turn Around	
Project Number:	237274	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code
Project Location:	Lea Co, New Mexico	Due Date:	
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	35000		

SAMPLE RECEIPT	
Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wet Ice: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Received Intact:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Thermometer ID: <u>113</u>
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Correction Factor: <u>-0.6</u>
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temperature Reading: <u>-5.0</u>
Total Containers:	49 Corrected Temperature: <u>-5.6</u>

Corrected Temperature: -5.6e							TPH 801	BTEX											Zn Acetate+NaOH: Zn
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													NaOH+Ascorbic Acid: SAPC
																	Sample Comments		
SW-33A (0-3')	5/16/2023	2:00	x		Comp	1	x	x	x										
SW-34A (0-3')	5/16/2023	2:02	x		Comp	1	x	x	x										
SW-35A (0-4')	5/16/2023	2:04	x		Comp	1	x	x	x										
SW-37A (0-3')	5/16/2023	2:06	x		Comp	1	x	x	x										
SW-38A (0-4')	5/16/2023	2:08	x		Comp	1	x	x	x										
SW-39A (0-3')	5/16/2023	2:10	x		Comp	1	x	x	x										
SW-41A (0-3')	5/16/2023	2:12	x		Comp	1	x	x	x										
SW-42A (0-3')	5/16/2023	2:14	x		Comp	1	x	x	x										
SW-43A (0-3')	5/16/2023	2:16	x		Comp	1	x	x	x										
Additional Comments:																			

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>	5/17/23 8:40am	<u>[Signature]</u>	<u>[Signature]</u>	5-17-23 1205

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
811 S. First St., Artesia, NM 88210  
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**District III**  
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**District IV**  
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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 228946

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 228946
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved. Permian Resources has 90-days (December 14, 2023) to submit its appropriate or final closure report.	9/18/2023