

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.

Form C-141

State of New Mexico

Page 2

Oil Conservation Division

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

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@permanianres.com	Telephone: 432-425-8321
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	nAPP2306851971
District RP	
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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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

Form C-141

State of New Mexico

Page 4

Oil Conservation Division

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

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

Printed Name: MONTGOMERY FLOYD Title: ENV-IRSignature: [Signature] Date: 9-18-23email: montgomery.floyd@permianres.com Telephone: 432 425 8321**OCD Only**

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



Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Montgomery Floyd Title: Env.  
Signature: [Signature] Date: 9-18-23  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

Signature: Nelson Velez Date: 01/17/2024

**Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.**

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ 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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Incident ID	nAPP2306851971
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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. Mariefeld 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: XXXXXXXXXXXX)

## 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.

Form C-141

State of New Mexico

Page 2

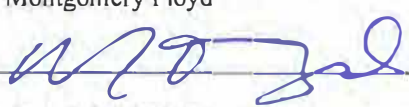
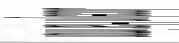

Oil Conservation Division

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

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>OCD Only</b>	
Received by: 	Date: 



Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

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

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

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

**OCD Only**

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

Incident ID	nAPP2306851971
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: \_\_\_\_\_ Date: 8/28/2023

email: 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

August 28, 2023

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

**Re: Site Closure and Deferral Request  
Sheba Fed Com 27 CTB  
Permian Resources Operating, LLC  
Incident ID: nAPP2306851971  
H-27-24S-34E, Lea County, New Mexico**

## 1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Permian Resources Operating, LLC (Permian), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD). This report provides documentation of soil delineation, sampling, analysis, and remediation activities conducted in the affected areas at the Permian Sheba Fed Com 27 CTB 1 Release Site (Site). The Site is located in Unit Letter H, Section 27 of Township 24 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.190976° N Latitude and 103.452158° 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. However, incorrect GPS coordinates were submitted on the initial release notification stating the location of release source as 32.197024, -103.458540. The correct coordinates are referenced above (32.190976, -103.452158) and refer to the actual location of the release. 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. A Site Characterization and Remediation Update Report, dated June 15, 2023, was submitted

Mr. Mike Bratcher  
August 28, 2023  
Page 2 of 5

to obtain an extension, and received on June 15, 2023, by the NMOCD for review. The time extension was approved by the NMOCD on June 16, 2023. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

### 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 Map, 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

Composite bottom hole and sidewall confirmation samples were collected by way of five (5) point composite samples from areas representing no greater than two hundred (200) square feet. The confirmation samples were analyzed for BTEX (EPA Method 8021B), TPH (EPA Method 8015M modified), and chloride (Method 300.0 or SM4500Cl-B).

Mr. Mike Bratcher  
August 28, 2023  
Page 3 of 5

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 begin remediation activities. Tellus excavated the eastern edge 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 (Cardinal) in Hobbs, New Mexico for analysis. 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.

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. Several of the sidewall sample locations were collected near and around production equipment or tank berms that would deem remediation not feasible without destabilizing the integrity of equipment or secondary containments.

Following additional excavation activities by Tellus, NTGE returned to the site on May 16, 2023, 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. 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 concentrations above 50 mg/kg.

Between July 13, 2023 and July 14, 2023, NTGE collected an additional thirty-six (36) bottom hole confirmation samples (CS-39A, CS-41A, CS-45A, CS-59A, CS-124A, CS-142A, CS-153A through CS-154A, CS-179 through CS-206) and forty-three (43) sidewall samples (SW-50A, SW-55A, SW-70 through SW-110). Analytical results indicated all samples exhibited benzene, BTEX, TPH, and chloride concentrations below Table I Closure Criteria except for CS-185. Soil sample CS-185 displayed TPH concentrations above 100 mg/kg. Additionally, as mentioned in the remediation plan, sidewall samples SW-16, SW-26A, SW-27A, SW-44, and SW-45 were not further excavated due to proximity to the tank batteries, nor was vertical delineation achieved by other excavation areas. Therefore, NTGE installed four (4) deferral delineation sample points, DD-1 through DD-4, on the opposite side of the tank batteries to show the impacts left in-situ are minimal.

Mr. Mike Bratcher  
August 28, 2023  
Page 4 of 5

Analytical results indicated that all deferral soil samples exhibited BTEX, TPH, and chloride concentrations below Table I Closure Criteria.

On August 4, 2023, following additional excavation activities by Tellus, NTGE collected one (1) bottom hole confirmation sample (CS-185A) and one (1) sidewall sample (SW-111). The analytical results indicated that both soil samples exhibited BTEX, TPH, and chloride concentrations below Table I Closure Criteria.

To date, approximately 5,160 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 Map while confirmation sample locations and deferral sample locations are shown on Figures 4 through 8. Analytical results of the confirmation samples are included in Table 1, and in the Laboratory Analytical Reports provided in Attachment E. A Photographic Log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

On May 31, 2023, NTGE on behalf of Permian Resources submitted an email requesting an extension for the project remediation activities. The extension was granted on June 16, 2023, by the NMOCD until August 29, 2023. See attachment D for the extension request.

## 5. nAPP2306851971 Closure and Deferral Request

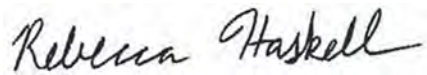
Based on the remediation efforts and requisite confirmation sampling, the Site is in compliance with the NMOCD regulatory standards with the exception of the areas near and around the tank batteries and other onsite equipment. As stated above, further remediation of these areas around the tank batteries and other onsite equipment was not viable due to proximity and without compromising the integrity of the tank batteries and other onsite equipment. As such, based on deferral samples DD-1 through DD-4, or other surrounding excavation areas with confirmation samples exhibiting concentrations below Table I Closure Criteria all areas needing to be deferred are completely delineated. Pertaining to the supporting documentation provided in this report, NTGE, on behalf of Earthstone respectfully requests closure for nAPP2306851971 with deferral of soils left in-situ above NMOCD standards near the tank batteries and other onsite equipment, until time of abandonment or upgrade of equipment allows for accessibility to the area. The excavation was backfilled with non-impacted material. The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are included at 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

Mr. Mike Bratcher  
August 28, 2023  
Page 5 of 5



Becky Haskell  
Senior Project Manager

Attachments:

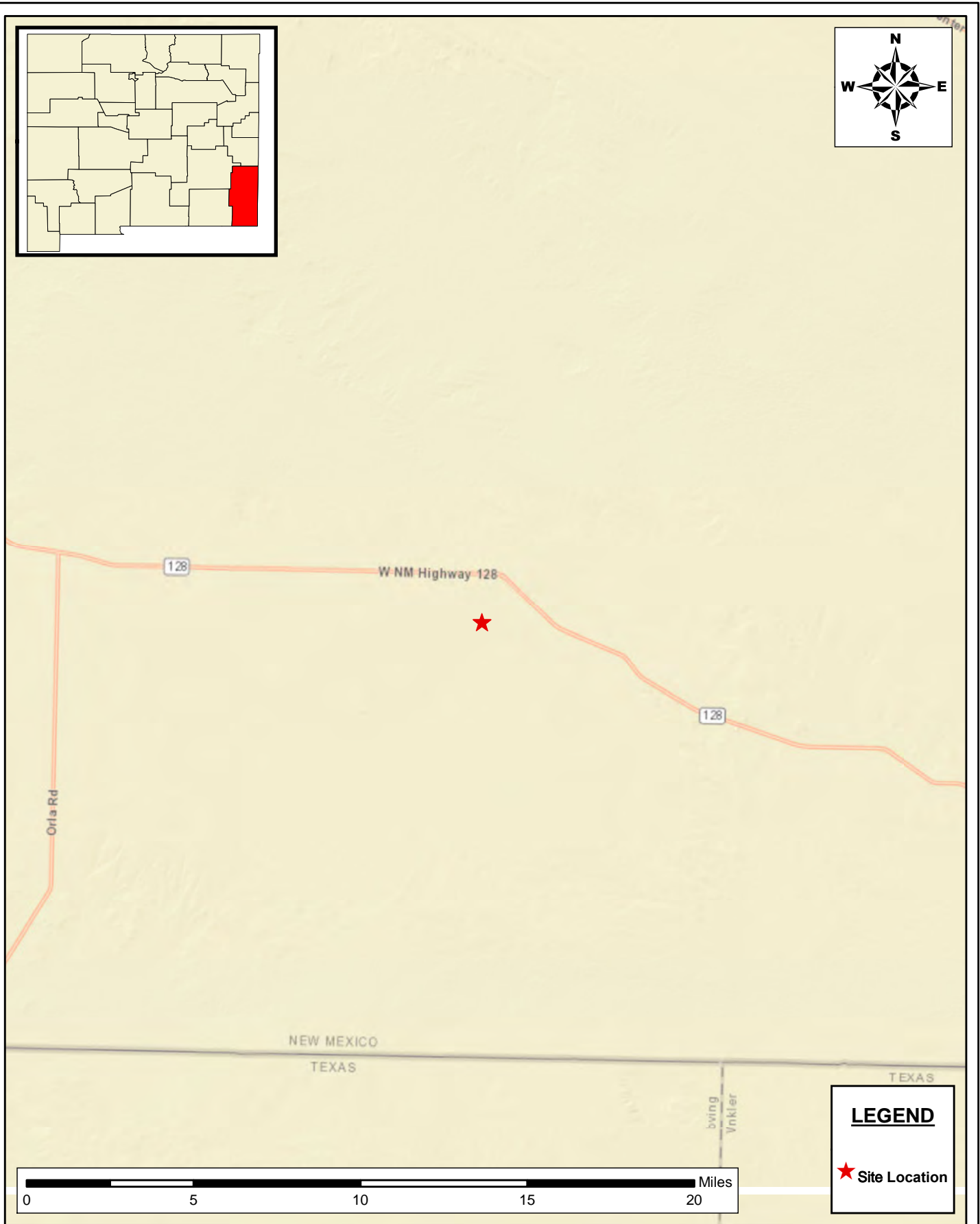
Figure 1:	Site Location Map
Figure 2:	Topographic Map
Figure 3:	Excavation Overview Map
Figure 4:	Confirmation/Deferral Sample Map
Figure 5:	Confirmation/Deferral Sample Map
Figure 6:	Confirmation/Deferral Sample Map
Figure 7:	Confirmation/Deferral Sample Map
Figure 8:	Confirmation/Deferral Sample Map
Table 1:	Summary of Soil Analytical Data
Appendix A:	Site Characterization Documentation
Appendix B:	Confirmation Sampling Notifications
Appendix C:	Photographic Log
Appendix D:	NMOCD Extension Request
Appendix E:	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  
32.190976°, -103.452158°



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

**NOTES:**

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

DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**

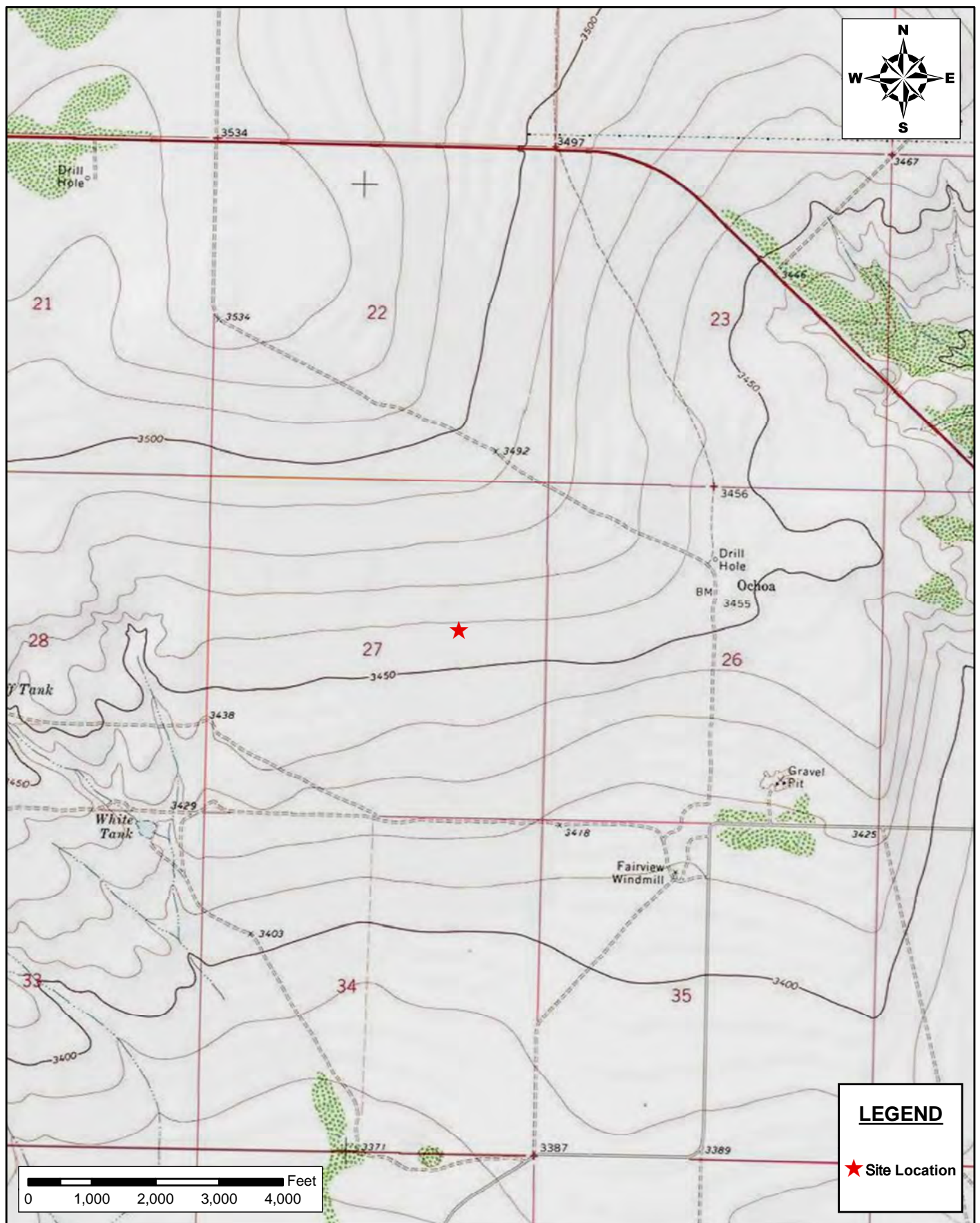
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DATE: 6/13/2023

PROJECT #: 237274



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**Topographic Map**  
 Permian Resources  
 Sheba Fed Com 27 CTB  
 Lea County, New Mexico  
 32.190976°, -103.452158°

SCALE: As Shown

DATE: 6/13/2023

PROJECT #: 237274



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**NOTES:**

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

DRAWING NUMBER:

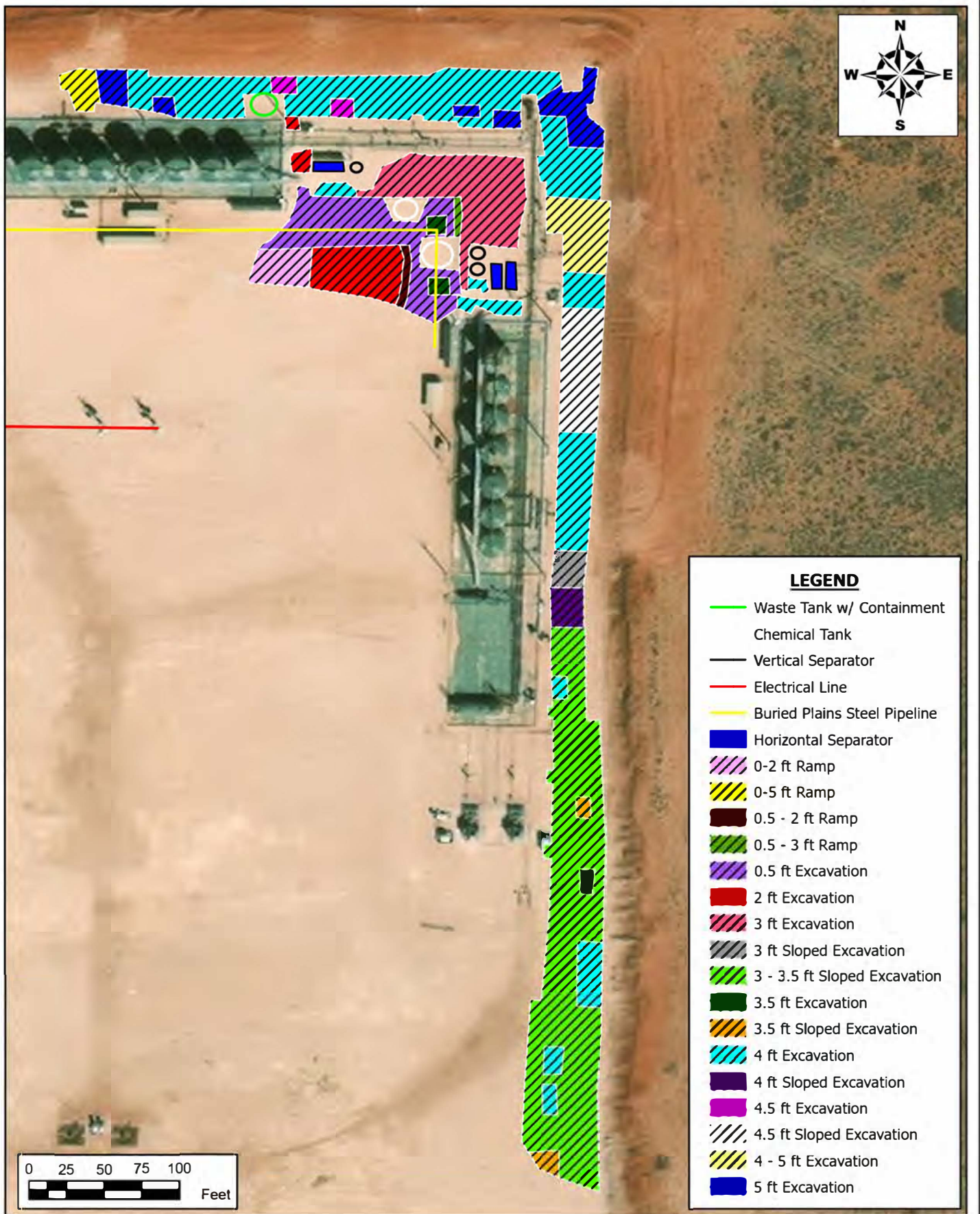
**FIGURE 2**

SHEET NUMBER:

**1 of 1**



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**EXCAVATION OVERVIEW MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.190976, -103.452158

SCALE: As Shown

Date: 8/25/2023

PROJECT #: 237274



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**NOTES:**

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

DRAWING NUMBER:

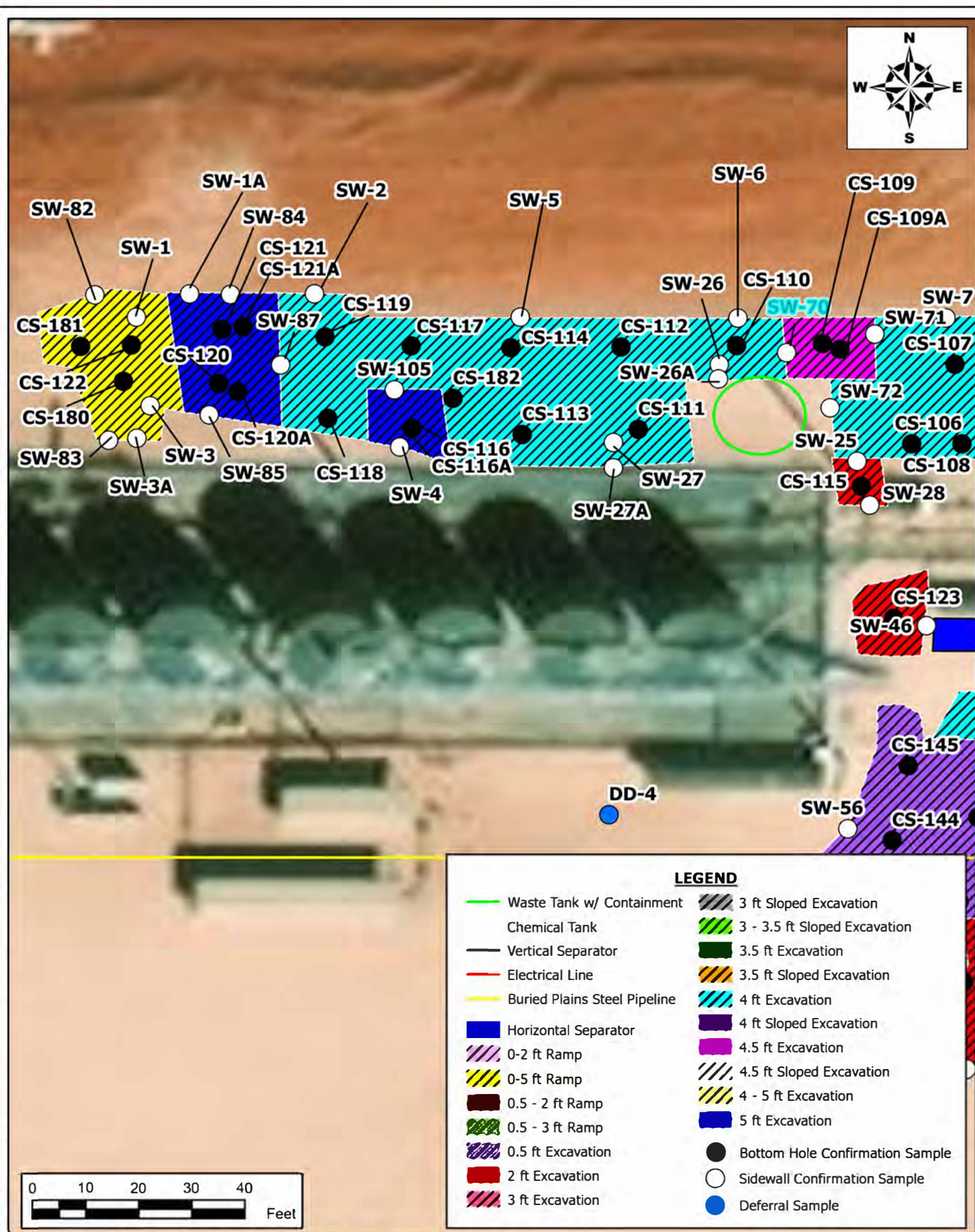
**FIGURE 3**

SHEET NUMBER:

**1 of 1**



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**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
SHEBA FED COM 27 CTB  
LEA COUNTY, NEW MEXICO  
32.190976, -103.452158

SCALE: As Shown

Date: 8/25/2023

PROJECT #. 237274



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NOTES:

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

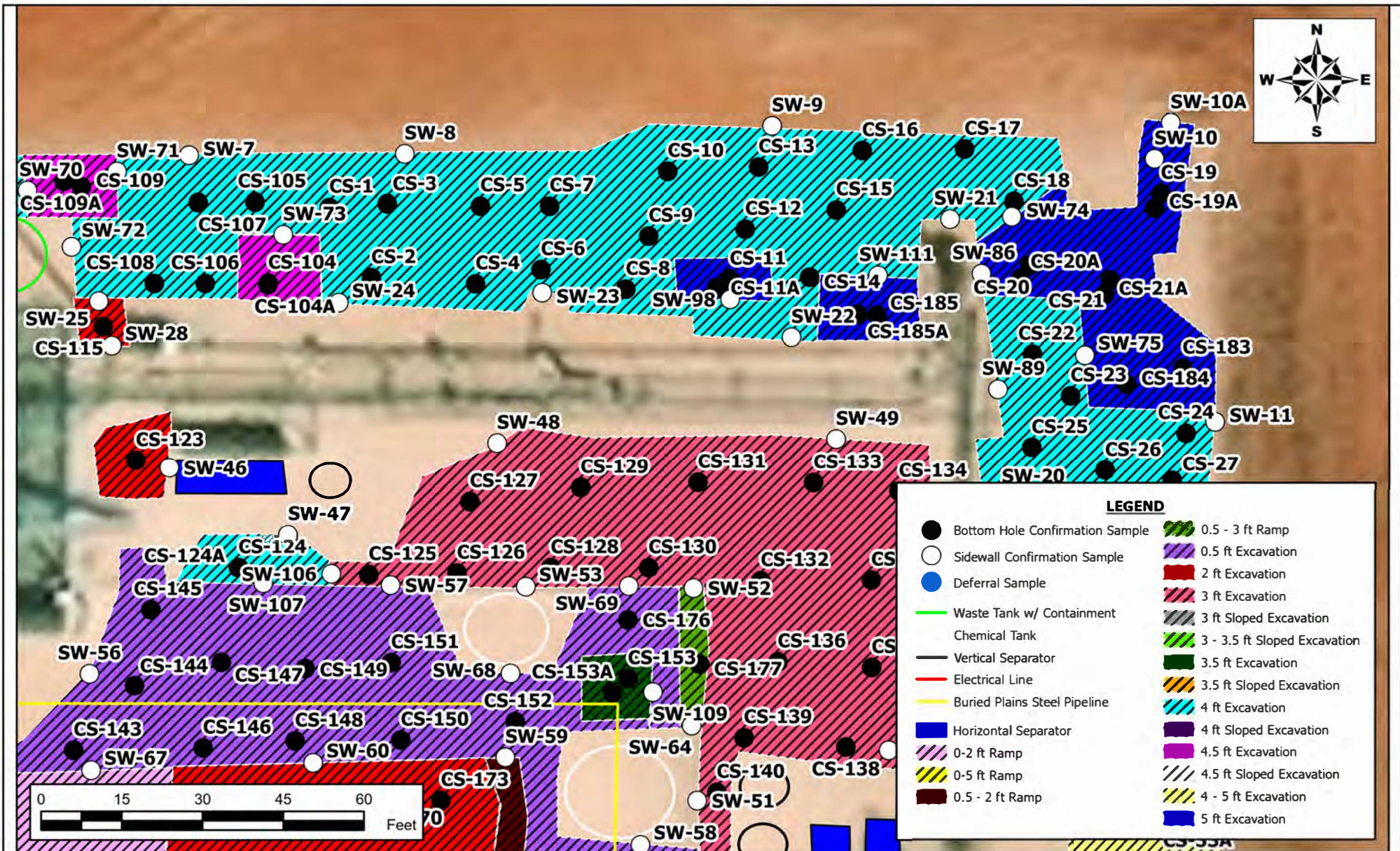
DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

1 of 1





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DRAWING NUMBER  
**FIGURE 5**  
SHEET NUMBER  
**1 of 1**

**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
SHEBA FED COM 27 CTB  
LEA COUNTY, NEW MEXICO  
32.190976, -103.452158

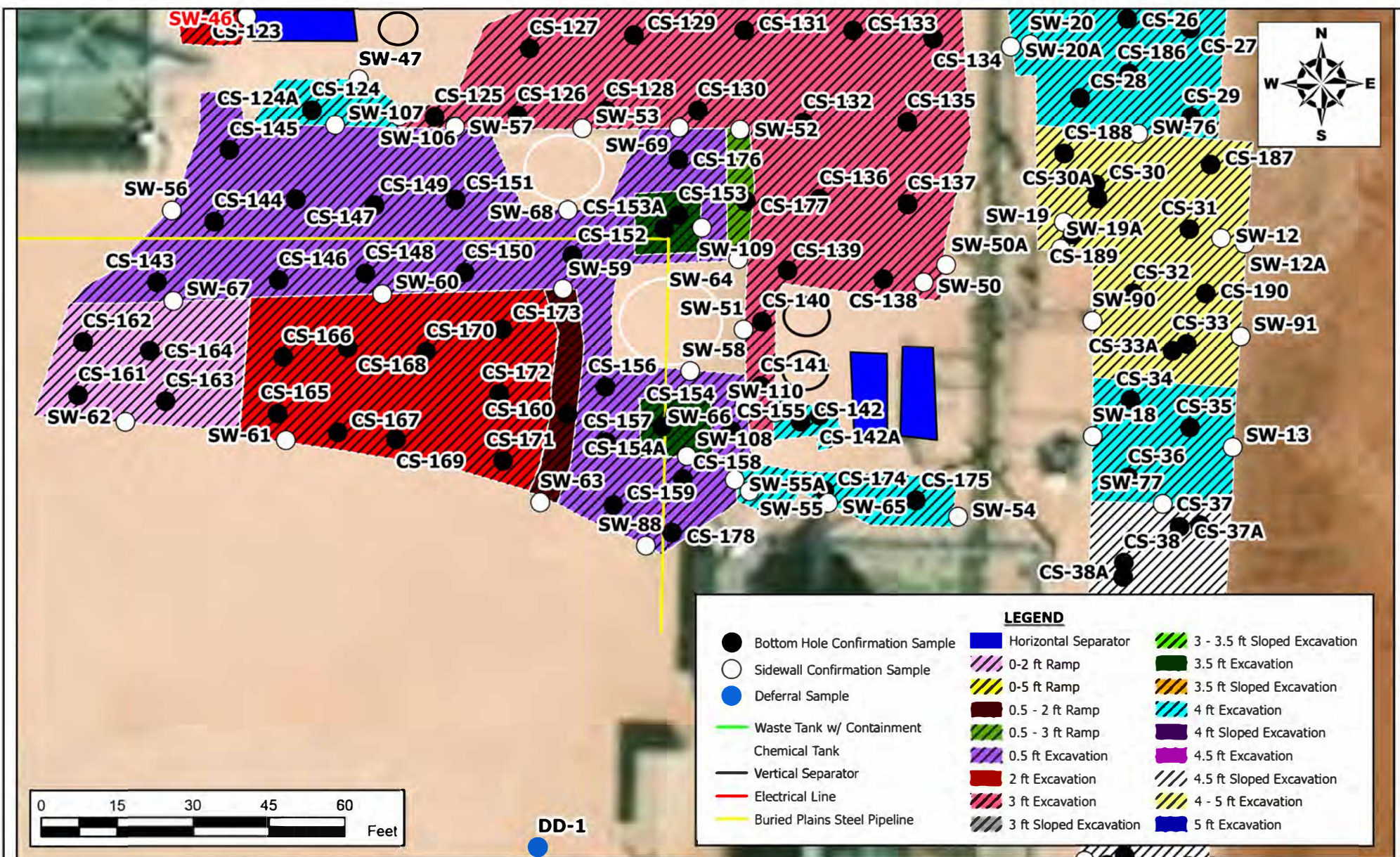
**New Tech Global Environmental, LLC**  
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NOTES:

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  
32.190976, -103.452158

New Tech Global Environmental, LLC  
911 Regional Park Drive  
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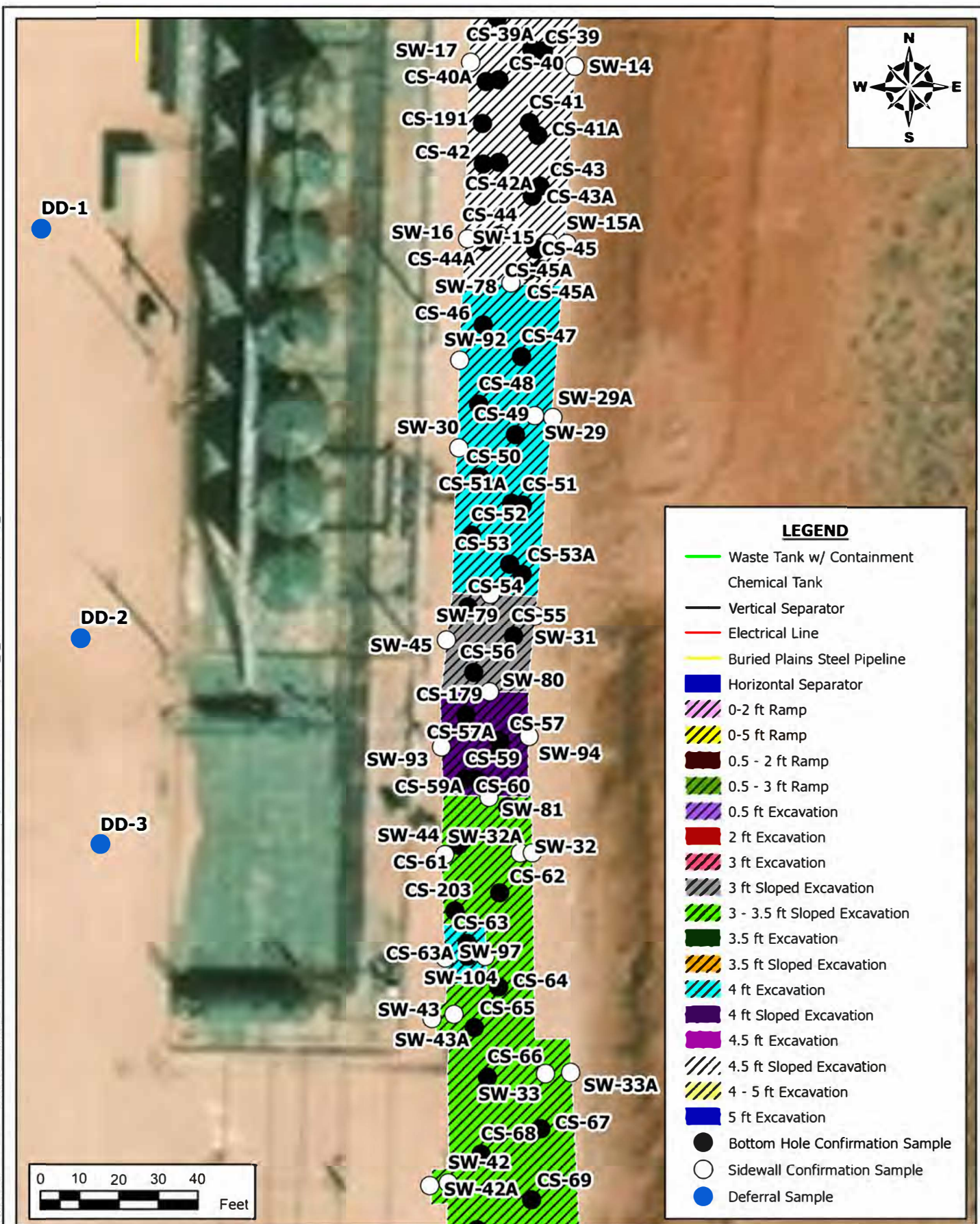


#### NOTES:

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\RSC\237274 Sheba Federal Com 305H #317 - Figures\GIS\Geodatabase\Figure\_7 ConfirmationSampleMap\_08252023.aprx



**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.190976, -103.452158

SCALE: As Shown

Date: 8/25/2023

PROJECT #: 237274

**NTG**  
 New Tech Global Environmental, LLC  
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 F - 281.872.4521  
 Web: www.ntglobal.com

**NOTES:**

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

DRAWING NUMBER:

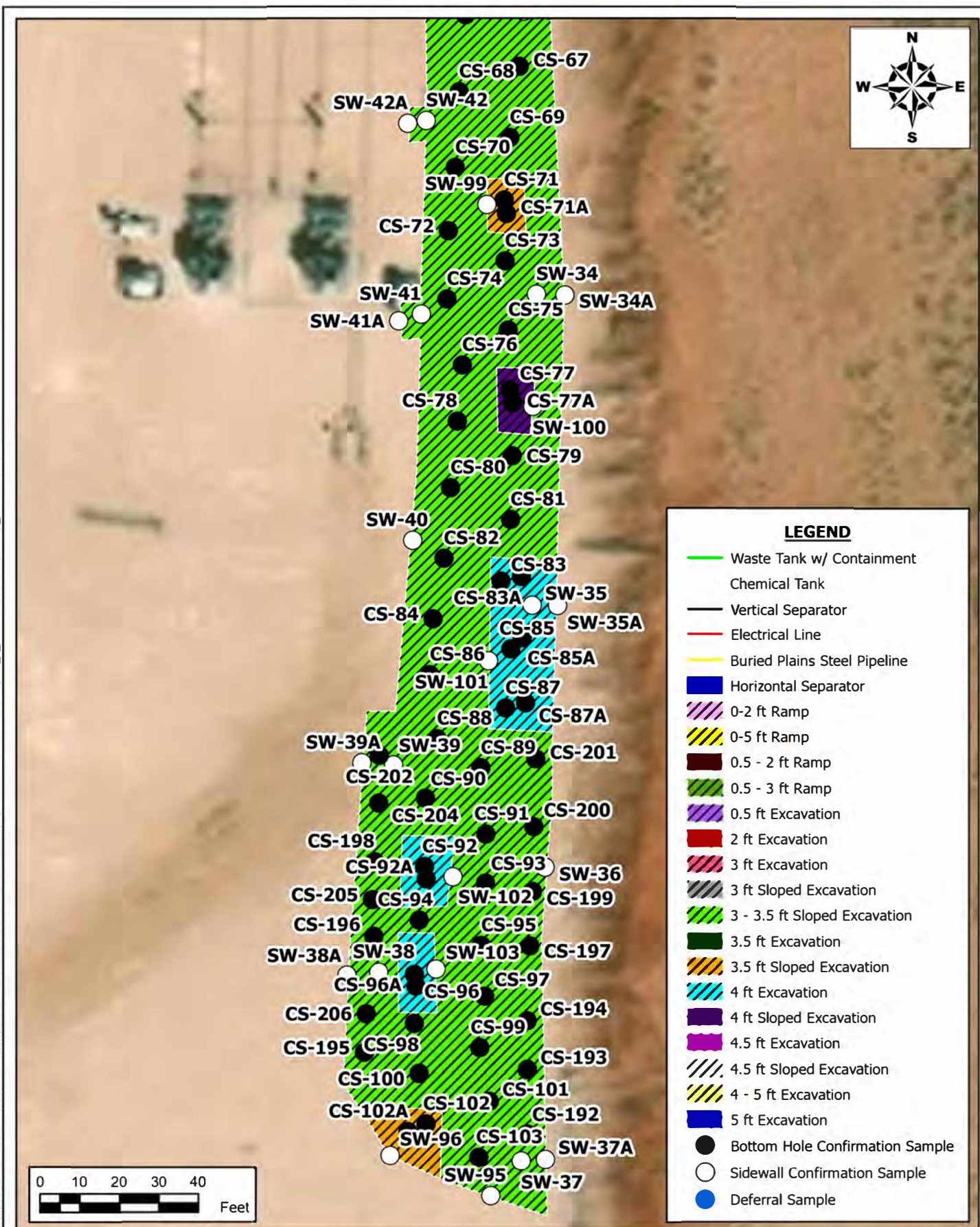
**FIGURE 7**

SHEET NUMBER:

**1 of 1**



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**CONFIRMATION SAMPLE MAP**  
**PERMIAN RESOURCES**  
 SHEBA FED COM 27 CTB  
 LEA COUNTY, NEW MEXICO  
 32.190976, -103.452158

SCALE: As Shown

Date: 8/25/2023

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 8**

SHEET NUMBER:

**1 of 1**



# 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-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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	
<del>CS-11</del>	<del>4/26/2023</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>580</del>	<del>580</del>	<del>111</del>	<del>691</del>	<del>1,630</del>	
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	
<del>CS-19</del>	<del>4/26/2023</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>81.6</del>	<del>81.6</del>	<del>30.0</del>	<del>112</del>	<del>384</del>	
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	
<del>CS-20</del>	<del>4/26/2023</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>1,930</del>	<del>1,930</del>	<del>367</del>	<del>2,297</del>	<del>1,920</del>	
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	
<del>CS-21</del>	<del>4/26/2023</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>552</del>	<del>552</del>	<del>119</del>	<del>671</del>	<del>880</del>	
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	
<del>CS-30</del>	<del>4/27/2023</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>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>1,040</del>	
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	
<del>CS-33</del>	<del>4/27/2023</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>125</del>	<del>125</del>	<del>26</del>	<del>151</del>	<del>304</del>	
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	
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	
<del>CS-37</del>	<del>4/27/2023</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>371</del>	<del>371</del>	<del>94.7</del>	<del>466</del>	<del>1,360</del>	
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	

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-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		
<del>CS-38</del>	<del>4/27/2023</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>191</del>	<del>191</del>	<del>52.9</del>	<del>244</del>	<del>752</del>
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
<del>CS-39</del>	<del>4/27/2023</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>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>464</del>
CS-39A	7/14/2023	4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
<del>CS-40</del>	<del>4/27/2023</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>230</del>	<del>230</del>	<del>46.5</del>	<del>277</del>	<del>1,040</del>
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
<del>CS-41</del>	<del>4/27/2023</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>52.2</del>	<del>52.2</del>	<del>&lt;10.0</del>	<del>52.2</del>	<del>384</del>
CS-41A	7/14/2023	4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
<del>CS-42</del>	<del>4/27/2023</del>	<del>4'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>0.076</del>	<del>0.564</del>	<del>0.640</del>	<del>17.3</del>	<del>986</del>	<del>1,003</del>	<del>163</del>	<del>1,166</del>	<del>3,080</del>
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
<del>CS-43</del>	<del>4/27/2023</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>419</del>	<del>419</del>	<del>74.8</del>	<del>494</del>	<del>2,480</del>
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
<del>CS-44</del>	<del>4/27/2023</del>	<del>4'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>0.052</del>	<del>0.415</del>	<del>0.467</del>	<del>13.8</del>	<del>743</del>	<del>757</del>	<del>131</del>	<del>888</del>	<del>2,760</del>
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
<del>CS-45</del>	<del>4/27/2023</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>27.4</del>	<del>27.4</del>	<del>18.6</del>	<del>38.0</del>	<del>256</del>
CS-45A	7/14/2023	4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
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	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	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	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
<del>CS-51</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>100</del>	<del>100</del>	<del>24.4</del>	<del>124</del>	<del>764</del>
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	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
<del>CS-53</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>781</del>	<del>781</del>	<del>154</del>	<del>935</del>	<del>4,000</del>
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
<del>CS-57</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>86.7</del>	<del>86.7</del>	<del>18.2</del>	<del>105</del>	<del>768</del>
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-59A	7/14/2023	4'	<0.0250	<0.0250	<0.250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
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
<del>CS-63</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>140</del>	<del>140</del>	<del>50.8</del>	<del>191</del>	<del>560</del>
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
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

Table 1  
Summary of Soil Analytical Data - Confirmation Samples  
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Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-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			
<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>37.9</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
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

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-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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-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>&lt;0.050</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>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	
<del>CS-124</del>	<del>5/11/2023</del>	<del>3'</del>	<del>&lt;0.050</del>	<del>0.063</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>401</del>	<del>401</del>	<del>&lt;10.0</del>	<del>401</del>	<del>1,170</del>	
CS-124A	7/13/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	271	
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	
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	
<del>CS-142</del>	<del>5/11/2023</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>390</del>	<del>390</del>	<del>53.3</del>	<del>443.3</del>	<del>2,760</del>	
CS-142A	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	27.1	
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	

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Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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-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	
<del>CS-153</del>	<del>5/11/2023</del>	<del>6"</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>90.3</del>	<del>90.3</del>	<del>12.7</del>	<del>103</del>	<del>192</del>	
CS-153A	7/13/2023	3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	234	
<del>CS-154</del>	<del>5/11/2023</del>	<del>6"</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>71.7</del>	<del>71.7</del>	<del>115</del>	<del>832</del>	<del>448</del>	
CS-154A	7/13/2023	3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
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	12.6	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	
CS-179	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-180	7/13/2023	5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	41.1	41.1	<50.0	41.1	23.7	
CS-181	7/13/2023	5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	23.7	
CS-182	7/13/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-183	7/14/2023	5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	40.5	
CS-184	7/14/2023	5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	29.2	
<del>CS-185</del>	<del>7/13/2023</del>	<del>4'</del>	<del>&lt;0.0250</del>	<del>0.037</del>	<del>&lt;0.0250</del>	<del>0.0567</del>	<del>0.0937</del>	<del>&lt;20.0</del>	<del>820</del>	<del>820</del>	<del>203</del>	<del>1123</del>	<del>36.7</del>	
CS-185A	8/4/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22	22	<10.0	22	112	
CS-186	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	29.5	
CS-187	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	

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**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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-188	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	23.7	
CS-189	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	24.9	
CS-190	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-191	7/14/2023	4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-192	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-193	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-194	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-195	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-196	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-197	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	89.0	
CS-198	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-199	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-200	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-201	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-202	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-203	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-204	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-205	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
CS-206	7/14/2023	3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
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	
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	



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-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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-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	256	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	
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	2,138	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	3,348	631	2,979	2,280	
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	(0-3.5')	<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	(0-4')	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	

**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-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)		
			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-50A	7/14/2023	(0-3')	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
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-55A	7/14/2023	0.5-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
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	(0-6")	<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"-2')	<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	
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	
SW-70	7/13/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-71	7/13/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-72	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	29.2	
SW-73	7/13/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	41.2	
SW-74	7/14/2023	4-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	39.8	
SW-75	7/14/2023	4-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	31.9	
SW-76	7/14/2023	4-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	44.0	
SW-77	7/14/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-78	7/14/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-79	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-80	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-81	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-82	7/14/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-83	7/14/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	20.1	
SW-84	7/14/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	
SW-85	7/14/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0	

**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-86	7/14/2023	0-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	28.7
SW-87	7/14/2023	4-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	36.3
SW-88	7/14/2023	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-89	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	36.0
SW-90	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	31.3
SW-91	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	25.9
SW-92	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-93	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-94	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-95	7/14/2023	0-3'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-96	7/14/2023	0-3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-97	7/14/2023	0-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-98	7/14/2023	4'-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-99	7/14/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-100	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-101	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-102	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-103	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-104	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-105	7/13/2023	4-5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-106	7/14/2023	3'-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	23.2
SW-107	7/14/2023	0-5-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	36.6
SW-108	7/13/2023	0.5'-3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-109	7/13/2023	0.5'-3.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-110	7/14/2023	3-4'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SW-111	8/4/2023	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
DD Samples													
DD1	7/14/2023	0-6"	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
DD1	7/14/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
DD1	7/14/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	26.9
DD2	7/14/2023	0-6"	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
DD2	7/14/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	39.1
DD2	7/14/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	125
DD3	7/14/2023	0-6"	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
DD3	7/14/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	47.6
DD3	7/14/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	76.5
DD4	7/14/2023	0-6"	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
DD4	7/14/2023	1-1.5'	<0.0250	<0.0250	<0.0250	<0.0500	<0.300	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0

Notes:

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

 Sample Point Excavated

- TPH analyses by EPA Method SW 8015 Mod.
- 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).**

- Not Analyzed

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

---





# Site Characterization Map



8/23/2023, 10:11:57 AM

 Site Location

- Pending

- Unknown

- Active

▲ USGS Historical GW Wells

## Karst Occurrence Potential

Low

— OSE Streams

1:18,056

A number line with two scales. The top scale is labeled in miles (mi) with major tick marks at 0, 0.17, 0.35, and 0.7. The bottom scale is labeled in kilometers (km) with major tick marks at 0, 0.3, 0.6, and 1.2. The scales are aligned such that 0.17 miles corresponds to 0.3 kilometers, 0.35 miles corresponds to 0.6 kilometers, and 0.7 miles corresponds to 1.2 kilometers. There are also minor tick marks between the major ones.

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



# OSE POD Locations Map



1/24/2023, 11:07:23 AM

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary

Water Right Regulations

- Closure Area
- Soil & Water Conservation Districts
- Surface Water Sub Basins

New Mexico State Trust Lands

- Both Estates
- Hydro Survey Footprints
- Hydro Survey Boundary
- <all other values>
- None
- All
- Partial

SiteBoundaries

LM Sites

- CERCLA/RCRA
- D&D
- FUSRAP
- MED/AEC Legacy Site

NWPA

Nevada Offsites

Plowshare / Vela Uniform

UMTRCA Title I

UMTRCA Title II

Unknown

Sample Locations

- Well
- Abandoned Well
- Oil, Gas Well
- Abandoned Oil, Gas Well
- Surface
- Surface/Sediment

Sediment

Precipitation Gauge

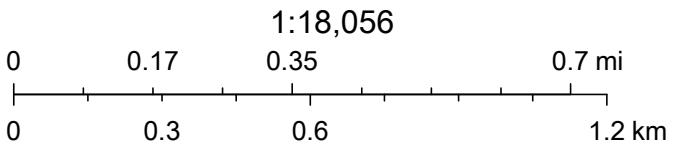
Abandoned Precipitation Gauge

Air Particulate

Abandoned Air Particulate

Treatment System

Abandoned Treatment System



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



# National Flood Hazard Layer FIRMMette



103°27'26"W 32°11'38"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		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 **1/24/2023 at 1:19 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.

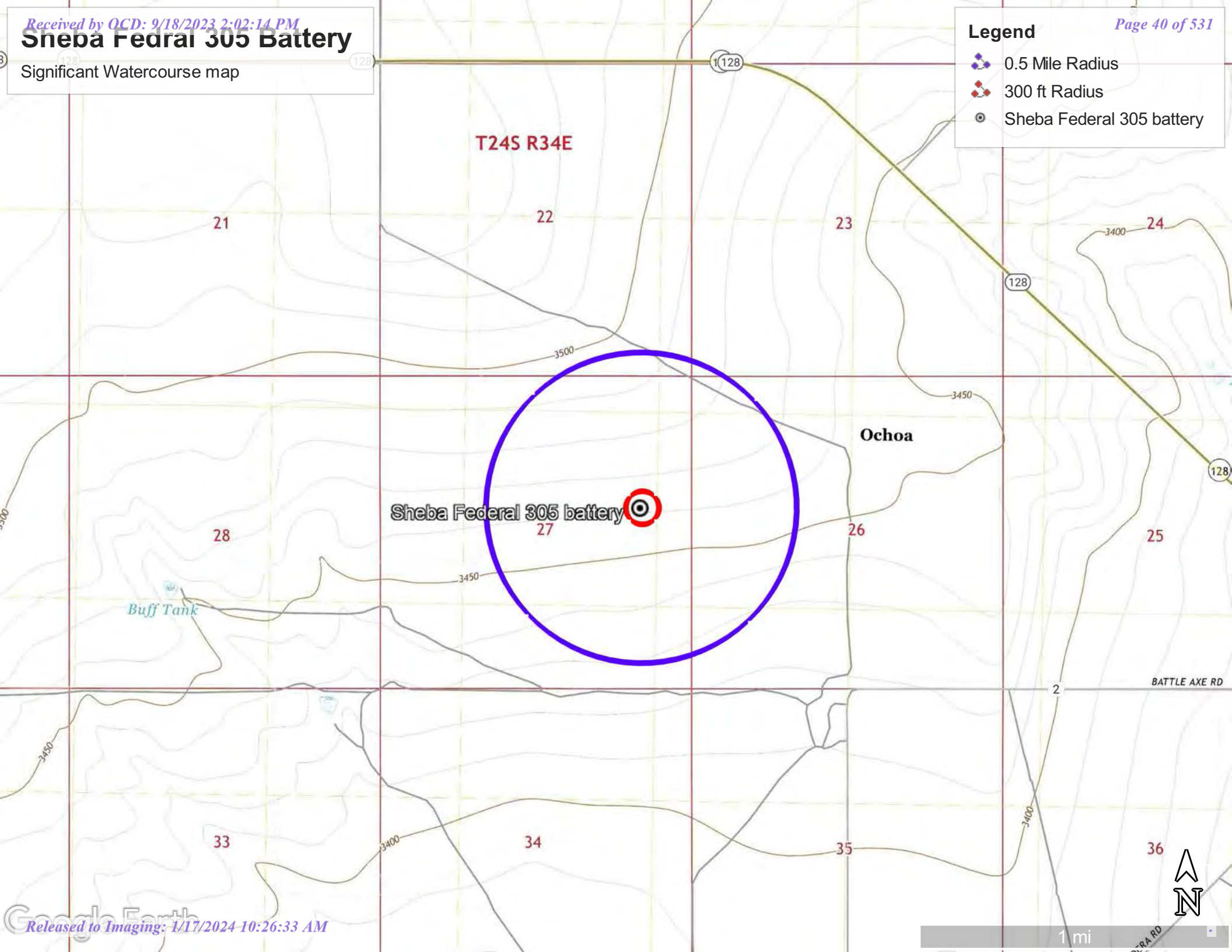
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

# Sheba Federal 305 Battery

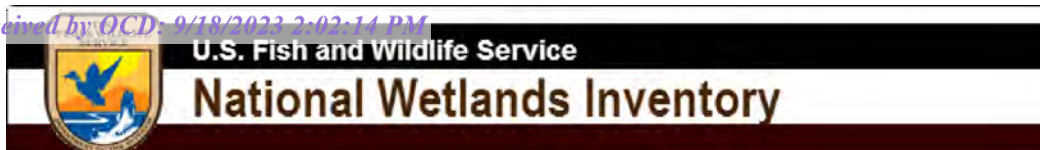
Significant Watercourse map

## Legend

- 0.5 Mile Radius
- 300 ft Radius
- Sheba Federal 305 battery







wetland



January 24, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

## 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)



## Grant Gardner

---

**From:** Becky Haskell  
**Sent:** Friday, July 7, 2023 10:48 AM  
**To:** Grant Gardner  
**Subject:** FW: [EXTERNAL] Sampling Notification Sheba 27 CTB (nAPP2306851971)

Sent from my Galaxy

----- Original message -----

From: "Enviro, OCD, EMNRD" <OCD.Enviro@emnrd.nm.gov>  
Date: 7/6/23 5:40 PM (GMT-05:00)  
To: Becky Haskell <bhaskell@ntglobal.com>  
Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Velez, Nelson, EMNRD" <Nelson.Velez@emnrd.nm.gov>  
Subject: RE: [EXTERNAL] Sampling Notification Sheba 27 CTB (nAPP2306851971)

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Becky,

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

JH

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Becky Haskell <bhaskell@ntglobal.com>  
**Sent:** Thursday, July 6, 2023 8:49 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Becky Haskell <bhaskell@ntglobal.com>; Ricardo Baer <RBaer@ntglobal.com>; NTG Env Carlsbad

<ntg\_env\_carlsbad@ntglobal.com>

**Subject:** [EXTERNAL] Sampling Notification Sheba 27 CTB (nAPP2306851971)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

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 9:00 a.m. on Monday, July 10, 2023, and continue through Friday, July 14, 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](#)



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## Rodrigo Pena

---

**From:** Becky Haskell  
**Sent:** Wednesday, August 2, 2023 10:48 AM  
**To:** Rodrigo Pena  
**Subject:** FW: Sheba 27 CTB

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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](#)



---

**From:** Ricardo Baer <[Rbaer@ntglobal.com](mailto:Rbaer@ntglobal.com)>  
**Sent:** Thursday, July 27, 2023 8:06 AM  
**To:** [ocd.enviro@emnrd.nm.gov](mailto:ocd.enviro@emnrd.nm.gov)  
**Cc:** Becky Haskell <[bhaskell@ntglobal.com](mailto:bhaskell@ntglobal.com)>; NTG Env Carlsbad <[ntg\\_env\\_carlsbad@ntglobal.com](mailto:ntg_env_carlsbad@ntglobal.com)>  
**Subject:** Sheba 27 CTB

Good Morning,

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, August 1, 2023, and continue through Friday, August 4, 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:**  
Excavation area from 4.26.23**Photograph No. 2****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Excavation area from 4.26.23**Photograph No. 3****Facility:**  
Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Excavation area from 5.11.23



**PHOTOGRAPHIC LOG****Permian Resources  
Sheba Fed Com 27 CTB****Photograph No. 4****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Excavation Area from 5.16.23**Photograph No. 5****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Excavation Area from 7.13.23**Photograph No. 6****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**  
Excavation Area between Tank Batteries from 8.4.23



**PHOTOGRAPHIC LOG****Permian Resources  
Sheba Fed Com 27 CTB****Photograph No. 7****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**

View of Excavation with Plains Buried Pipeline

**Photograph No. 8****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**

Current backfill.

**Photograph No. 9****Facility:** Sheba Fed Com 27 CTB**County:** Lea County, New Mexico**Description:**

Current backfill.



## **ATTACHMENT D: NMOCD EXTENSION REQUEST**



## Becky Haskell

---

**From:** Becky Haskell  
**Sent:** Wednesday, May 31, 2023 9:10 AM  
**To:** ocd.enviro@emnrd.nm.gov  
**Cc:** Montgomery Floyd; Becky Haskell; Ricardo Baer  
**Subject:** Permian Resources Sheba Fed Com 27 CTB (nAPP2306851971) Extension Request

Good Morning,

NTGE, on behalf of Permian Resources, respectfully submits this extension request. We recently received analytical data which we are reviewing and believe additional remediation activities are required at the site. We are requesting an additional 90 days to complete remediation activities.

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

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](#)



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

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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)**

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) 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

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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:	04/26/2023
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

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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:	04/26/2023
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, 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 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 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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\*=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:	05/01/2023	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, 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	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

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:	05/01/2023	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)**

BTEx 8021B		mg/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	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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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 - 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, 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	0.00		

TPH 8015M		mg/kg		Analyzed 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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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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 - 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, 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 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)**

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) 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



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 - 16 (4') (H232122-16)**

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	05/02/2023	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) 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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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 - 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, 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	05/02/2023	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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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 - 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	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)**

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	1.89	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 BTX	<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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**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)**

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	1.89	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 BTX	<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, 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	05/02/2023	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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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 - 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, 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	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



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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 - 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, 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	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, 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	05/02/2023	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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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 - 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, 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	05/02/2023	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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**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)**

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) 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)**

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) 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



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 - 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	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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**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, 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 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)**

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 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	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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**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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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 - 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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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 - 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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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 - 52 (3') (H232122-52)**

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) 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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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 - 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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**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, 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	05/03/2023	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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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 - 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, 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	05/02/2023	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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**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)**

BTEx 8021B		mg/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	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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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 - 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, SM4500Cl-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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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  
 Reported: 05/04/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 04/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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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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 - 61 (3') (H232122-60)**

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	1.87	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	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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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 - 62 (3') (H232122-61)**

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	05/03/2023	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) 99.1 % 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	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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	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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**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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**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)**

BTEx 8021B		mg/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	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



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 - 67 (3') (H232122-66)**

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	1.87	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) 97.8 % 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)**

BTEx 8021B		mg/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) 98.1 % 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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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 - 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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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  
 Reported: 05/04/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 04/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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*	<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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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 - 71 (3') (H232122-70)**

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	05/03/2023	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	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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**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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**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, 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*	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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**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, 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*	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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**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, 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*	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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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 - 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, 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	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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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 - 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, 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	05/02/2023	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)**

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) 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, 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	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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**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)**

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) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	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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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 - 86 (3') (H232122-85)**

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) 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	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)**

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) 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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**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)**

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) 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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**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)**

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) 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	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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**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)**

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) 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



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

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 "Caley D. Keene".

Caley D. Keene, Lab Director/Quality Manager





## Chain of Custody

Work Order No: H232122Page 1 of 17

Page 93 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"/> 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"/> 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-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:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: 423 2122Page 2 of 17

Page 94 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"/> 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
<i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531			





## Chain of Custody

Work Order No: 1232122Page 3 of 17

Page 95 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"/> 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:

Page 4 of 17

Page 96 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"/> Super <input type="checkbox"/>
State of Project:	
Reporting Level:	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													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			
SAMPLE RECEIPT			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP		
Received 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														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-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

Page 97 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"/> 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:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		





## Chain of Custody

Work Order No: 423212Page 6 of 17

Page 98 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"/> 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			
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		113																				
Cooler Custody Seals:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:		-0.2																				
Sample Custody Seals:				Yes <input checked="" type="checkbox"/> No <input 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-51 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-52 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-53 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-54 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-55 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-56 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-57 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-59 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-60 (3')		4/27/2023		x		Comp	1	x	x	x																	
CS-61 (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: H252122Page 7 of 17

Page 99 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"/> 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:	-0.6°C		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		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-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

Page 100 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"/> 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"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Sheba #3	Turn Around		ANALYSIS REQUEST												Preservative Codes			
Project Number:	237274	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code														None: NO	DI Water: H <sub>2</sub> O	
Project Location	Lea Co, New Mexico	Due Date:															Cool: Cool	MeOH: Me	
Sampler's Name:	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"/>	<div style="display: flex; justify-content: space-between;"> <div>Parameters</div> <div>BTEX 8021B</div> <div>TPH 8015M (GRO + DRO + MRO)</div> <div>Chloride 4500</div> </div>												HOLD	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6																
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	5.3																
Total Containers:	166	Corrected Temperature:	5.9																
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													
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

Page 9 of 17

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="12"></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			

Revised Date 05/01/2020 Rev. 2020.1



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

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:	05/01/2023	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)**

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) 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

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:	05/01/2023	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)**

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) 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

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:	05/01/2023	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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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 - 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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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 - 98 (3') (H232123-07)**

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

BTEx 8021B		mg/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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	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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**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)**

BTEx 8021B		mg/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) 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)**

BTEx 8021B		mg/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) 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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**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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**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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**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, 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	05/03/2023	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)**

BTEx 8021B		mg/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	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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**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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**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)**

BTEx 8021B		mg/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) 95.1 % 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)**

BTEx 8021B		mg/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	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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**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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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 - 122 (4') (H232123-31)**

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	05/03/2023	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) 99.8 % 71.5-134

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

BTEx 8021B		mg/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	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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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 - 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, 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	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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**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)**

BTEx 8021B		mg/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 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)**

BTEx 8021B		mg/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 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, 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 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, 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 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	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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**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, 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	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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**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, SM4500Cl-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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**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, SM4500Cl-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, SM4500Cl-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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**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)**

BTEx 8021B		mg/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) 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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**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, SM4500Cl-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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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 - 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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**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, SM4500Cl-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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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 - 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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**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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**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)**

BTEx 8021B		mg/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) 94.1 % 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	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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**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, 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*	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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**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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	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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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 - 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, SM4500CI-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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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 - 36 (0-3') (H232123-67)**

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	05/03/2023	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	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	QM-07	
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		
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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**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*	<b>0.206</b>	0.050	05/03/2023	ND	2.08	104	2.00	1.38			
Total Xylenes*	<b>1.40</b>	0.150	05/03/2023	ND	6.03	101	6.00	0.847			
Total BTEX	<b>1.60</b>	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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**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



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:	04/28/2023
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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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 - 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	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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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 - 43 (0-3') (H232123-74)**

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	1.93	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) 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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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 - 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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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 - 45 (0-3') (H232123-76)**

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	1.93	96.3	2.00	1.18	
Toluene*	<b>0.062</b>	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	<b>0.080</b>	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	<b>0.429</b>	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	<b>0.571</b>	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	<b>3840</b>	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*	<b>495</b>	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	<b>109</b>	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



## 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:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<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"/> 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		Due Date:		Parameters BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500 HOLD												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					
5					



## Chain of Custody

Work Order No: H232123

Page 12 of 17

Page 81 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		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"/>														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														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 <u>[Signature]</u>	<u>[Signature]</u>	5-1-23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: 41232123

Page 13 of 17

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	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	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			
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>	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		



## Chain of Custody

Work Order No: H232123

Page 14 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			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																					
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

Page 84 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:	

<b>Work Order Comments</b>	
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"/> 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													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 checked="" type="checkbox"/> No <input type="checkbox"/> Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			BTEX 8021B TPI 8015M (GRO + DRO + MRO) Chloride 4500													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		# of Cont														Zn Acetate+NaOH: Zn		
Total Containers:		166		Corrected Temperature: -5.9°C															NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water		Grab/Comp													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: 11732123Page 16 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"/> 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			



## Chain of Custody



Work Order No:

Page 17 of 17

Page 86 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"/> 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						
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		NaHSO <sub>4</sub> : NABIS																							
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																							
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		Zn Acetate+NaOH: Zn																							
Total Containers:				166		Corrected Temperature:		NaOH+Ascorbic Acid: SAPC																Sample Comments						
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont																					
SW-40 (0-3')				4/28/2023		x		Comp	1	x	x	x																		
SW-41 (0-3')				4/28/2023		x		Comp	1	x	x	x																		
SW-42 (0-3')				4/28/2023		x		Comp	1	x	x	x																		
SW-43 (0-3')				4/28/2023		x		Comp	1	x	x	x																		
SW-44 (0-3')				4/28/2023		x		Comp	1	x	x	x																		
SW-45 (0-3')				4/28/2023		x		Comp	1	x	x	x																		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1



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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

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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 - 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, SM4500Cl-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	
<b>DRO &gt;C10-C28*</b>	<b>401</b>	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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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



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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 - 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, 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	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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**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, 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 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  
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 - 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, 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 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, 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 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, 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 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, 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 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)**

BTEx 8021B		mg/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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	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)**

BTEx 8021B		mg/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, 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	05/12/2023	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, 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	05/12/2023	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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**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)**

BTEx 8021B		mg/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	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, SM4500Cl-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, 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	05/15/2023	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, 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	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  
 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 - 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)**

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	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, 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*	<10.0	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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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 - 145 0.5' (H232375-23)**

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

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	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



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 - 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, 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	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)**

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) 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)**

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) 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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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 - 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)**

BTEx 8021B		mg/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	05/13/2023	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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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 - 153 0.5' (H232375-31)**

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	05/13/2023	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	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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	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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**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)**

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) 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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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 - 159 0.5' (H232375-37)**

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	05/13/2023	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	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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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 - 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	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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**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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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 - 164 2' (H232375-42)**

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	05/13/2023	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	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)**

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	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)**

BTEx 8021B		mg/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	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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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 - 167 2' (H232375-45)**

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	05/13/2023	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	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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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 - 168 2' (H232375-46)**

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	05/13/2023	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	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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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 - 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)**

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) 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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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 - 171 2' (H232375-49)**

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) 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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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 - 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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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 - 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, 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 107 % 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 - 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, 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	05/15/2023	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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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 - 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, 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	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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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 - 177 0.5-3' (H232375-55)**

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	05/14/2023	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	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)**

BTEx 8021B		mg/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, 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	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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**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: 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, SM4500CI-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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**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
Benzene*	0.422	0.200	05/15/2023	ND	2.22	111	2.00	15.2	
Toluene*	17.9	0.200	05/15/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	11.4	0.200	05/15/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	43.4	0.600	05/15/2023	ND	6.53	109	6.00	16.1	
Total BTEX	73.2	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	
Chloride	192	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*	147	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	639	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	79.5	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 114 % 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: 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, SM4500Cl-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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	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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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  
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: 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, SM4500Cl-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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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 - 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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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 - 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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**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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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 - 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, 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	05/15/2023	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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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 - 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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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 - 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, 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	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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**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, 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*	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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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 - 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, 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	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, 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 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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**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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**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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\*=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: 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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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 - 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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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 - 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, 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	05/15/2023	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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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 - 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, 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	05/12/2023	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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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.
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>Berley 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)IRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING					
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE		TIME			
<u>H232375</u>														<u>5/11/23</u>					
<u>1</u>		<u>CS-123</u>		<u>2'</u>		<u>1</u>		<u>X</u>											
<u>2</u>		<u>CS-124</u>		<u>3'</u>															
<u>3</u>		<u>CS-125</u>		<u>3'</u>															
<u>4</u>		<u>CS-126</u>		<u>3'</u>															
<u>5</u>		<u>CS-127</u>		<u>3'</u>															
<u>6</u>		<u>CS-128</u>		<u>3'</u>															
<u>7</u>		<u>CS-129</u>		<u>3'</u>															
<u>8</u>		<u>CS-130</u>		<u>3'</u>															
<u>9</u>		<u>CS-131</u>		<u>3'</u>															
<u>10</u>		<u>CS-132</u>		<u>3'</u>															

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Relinquished By: <u>Kenny Hart</u>		Date: <u>5/11/23</u>		Received By: <u>Shawn 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:				REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <u>3.8</u>		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.2</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<u>AC</u>	
				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			
				Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition	
				Thermometer ID #113		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				Correction Factor -0.6°C		Observed Temp. °C	
						Corrected Temp. °C	

FORM-006 R 5.3 07/18/22

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





Company Name: NIG E				BILL TO				ANALYSIS REQUEST																			
Project Manager: Betsy Hagel				P.O. #: 35000																							
Address: 701 Tradewinds Blvd				Company: Permian Resources																							
City: Midland State: TX Zip: 79701				Attn: Montgomery Floyd																							
Phone #: 432-766-1418 Fax #:				Address:																							
Project #: 237274 Project Owner: Permian				City:																							
Project Name: Sheba #3				State: Zip:																							
Project Location: Lea Co, NM				Phone #:																							
Sampler Name: Kenny Hart				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													
H232375																											
11	CS-133	3'	1			X							5/11/23	12:08	BTEX	Chloride	TPH										
12	CS-134	3'												12:10													
13	CS-135	3'												12:12													
14	CS-136	3'												12:14													
15	CS-137	3'												12:16													
16	CS-138	3'												12:18													
17	CS-139	3'												12:20													
18	CS-140	3'												12:22													
19	CS-141	3'												12:24													
20	CS-142	3'												12:26													

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or co-consorts arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Bacteria (only)		Sample Condition
Cool	Intact	Observed Temp. °C
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	
<input type="checkbox"/> No	<input type="checkbox"/> No	Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [cele.keene@cardinallabs.com](mailto:cele.keene@cardinallabs.com)



Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>								
Project Manager:				P.O. #:												
Address:				Company:												
City:				Attn:												
Phone #:				Address:												
Project #:				City:												
Project Name:				State:												
Project Location:				Zip:												
Sampler Name:				Phone #:												
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							
#132375																
21	CS-143	0.5'	C	1	X			5/11/23	12:28	BTEX	Chloride	TPH				
22	CS-144	0.5'							12:30							
23	CS-145	0.5'							12:32							
24	CS-146	0.5'							12:34							
25	CS-147	0.5'							12:36							
26	CS-148	0.5'							12:38							
27	CS-149	0.5'							12:40							
28	CS-150	0.5'							12:42							
29	CS-151	0.5'							12:44							
30	CS-152	0.5'							12:46							

Relinquished By: <i>Kenny Kim</i>		Date: <i>5/11/23</i>	Received By: <i>Shan Cisneros</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <i>16:40</i>			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)	Observed Temp. °C <i>3.8</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) <i>DC</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>3.2</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113 Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





**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>												
Company Name: NGE						P.O. #: 3500W												
Project Manager: Becky Hagel						Company: Permian Resources												
Address: 701 Tradewinds Blvd						Attn: Montgomery Floyd												
City: Midland State: TX Zip: 79701						Address:												
Phone #: 432-766-1918 Fax #:						City:												
Project #: 237274 Project Owner: Permian						State: Zip:												
Project Name: Sheba #3						Phone #:												
Project Location: Lea Co, NM						Fax #:												
Sampler Name: Penny Hart																		

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	BTEX	Chloride	TPH
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :						
#232375	CS-153	0.5'	C	1	X									5/11/23	12:48					
31	CS-154	0.5'													12:50					
32	CS-155	0.5'													12:52					
33	CS-156	0.5'													12:54					
34	CS-157	0.5'													12:56					
35	CS-158	0.5'													12:58					
36	CS-159	0.5'													1:00					
37	CS-160	0.5'-2'													1:02					
38	CS-161	2'													1:04					
39	CS-162	2'													1:06					
40																				

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Relinquished By: <i>Kenny Hart</i>		Date: 5/11/23	Received By: <i>Shawn Cisneros</i>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Time: 16:40		Date:	Received By:	All Results are emailed. Please provide Email address:
Time:				REMARKS:

Delivered By: (Circle One)	Observed Temp. °C <i>3.8</i>	Sample Condition Cool Intact	CHECKED BY: (Initials) <i>DC</i>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>3.2</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113 Correction Factor -0.6°C	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM-006-R 3.3 07/16/22



# 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>5/11/23</u>					
<u>41</u>		<u>CS-163</u>		<u>2'</u>		<u>C</u>		<u>1</u>											
<u>42</u>		<u>CS-164</u>		<u>2'</u>															
<u>43</u>		<u>CS-165</u>		<u>2'</u>															
<u>44</u>		<u>CS-166</u>		<u>2'</u>															
<u>45</u>		<u>CS-167</u>		<u>2'</u>															
<u>46</u>		<u>CS-168</u>		<u>2'</u>															
<u>47</u>		<u>CS-169</u>		<u>2'</u>															
<u>48</u>		<u>CS-170</u>		<u>2'</u>															
<u>49</u>		<u>CS-171</u>		<u>2'</u>															
<u>50</u>		<u>CS-172</u>		<u>2'</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: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Corrected Temp. °C <u>3.2</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Bacteria (only) Sample Condition
FORM-006 R 3.3 07/16/22		<input type="checkbox"/> Yes <input type="checkbox"/> No				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
						Observed Temp. °C
						Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabnm.com](mailto:celey.keene@cardinallabnm.com)





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>1</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: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.2</u>	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<u>SC</u>	Thermometer ID #113	Cool Intact Observed Temp. °C
FORM-006 R 5.5 5/7/18/22				Correction Factor -0.8°C		<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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





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**(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NIG E</b> Project Manager: <b>Berly Hagell</b> Address: <b>701 Tradewinds Blvd</b> City: <b>Midland</b> State: <b>TX</b> Zip: <b>79701</b> Phone #: <b>432-766-1918</b> Fax #: <b></b> Project #: <b>237274</b> Project Owner: <b>Permian</b> Project Name: <b>Sheba #3</b> Project Location: <b>Lea Co, NM</b> Sampler Name: <b>Kenny Hahn</b>				<b>BILL TO</b> P.O. #: <b>35000</b> Company: <b>Permian Resources</b> Attn: <b>Montgomery Floyd</b> Address: <b></b> City: <b></b> State: <b></b> Zip: <b></b> Phone #: <b></b> Fax #: <b></b>		<b>ANALYSIS REQUEST</b>																									
FOR LAB USE ONLY				<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		<b>ANALYSIS REQUEST</b>																					
<b>Lab I.D.</b> <b>H232375</b>		<b>Sample I.D.</b>		(GRAB OR C/COMP) # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME		<b>ANALYSIS REQUEST</b>																			
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'		67 SW-56 0-0.5'		68 SW-57 0.5-3'		69 SW-58 0-0.5'		70 SW-59 0.5-1'		<b>ANALYSIS REQUEST</b>											
61 SW-50 0-3'		62 SW-51 0-3'		63 SW-52 1-3'		64 SW-53 0-3'		65 SW-54 0-4'		66 SW-55 0-4'																					

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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>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

3.8

Corrected Temp. °C

3.2

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

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



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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





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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 - 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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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  
Reported: 05/22/2023  
Project Name: SHEBA #3  
Project Number: 237274  
Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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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\*=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 - 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, 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*	<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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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 - 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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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 - 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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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 - 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



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 - 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, 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 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, 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 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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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 - 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, 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 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 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, 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 89.2 % 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: 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, 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 89.9 % 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: 05/17/2023  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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



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 - 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*	<b>0.337</b>	0.050	05/20/2023	ND	2.24	112	2.00	0.483	
Ethylbenzene*	<b>0.095</b>	0.050	05/20/2023	ND	2.37	119	2.00	0.126	
Total Xylenes*	<b>0.222</b>	0.150	05/20/2023	ND	6.99	117	6.00	0.364	
Total BTEX	<b>0.654</b>	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	<b>96.0</b>	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*	<b>12.1</b>	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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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 - 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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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  
Reported: 05/22/2023  
Project Name: SHEBA #3  
Project Number: 237274  
Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: SW - 1A (0-5') (H232496-30)**

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	05/20/2023	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	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, SM4500Cl-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



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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	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  
Reported: 05/22/2023  
Project Name: SHEBA #3  
Project Number: 237274  
Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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, 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	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)**

BTEx 8021B		mg/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, 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 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, SM4500Cl-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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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 - 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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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  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 32A ( 0-3' ) (H232496-40)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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) 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  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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, 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	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)**

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) 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, 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 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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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  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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  
Reported: 05/22/2023  
Project Name: SHEBA #3  
Project Number: 237274  
Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**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, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	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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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  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**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)**

BTEX 8021B		mg/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) 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	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

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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  
 Reported: 05/22/2023  
 Project Name: SHEBA #3  
 Project Number: 237274  
 Project Location: PERMIAN RESOURCES-LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 43A ( 0-3' ) (H232496-49)**

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) 98.2 % 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 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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: 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
Project Number:	237274	
Project Location:	Lea Co, New Mexico	Due Date:
Sampler's Name:	Kenny Han	
PO #:	35000	TAT starts the day received by the lab, if received by 4:30pm

SAMPLE RECEIPT	
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
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Containers:	49

Parameters  
BTEX 8021B  
TPH 8015M (GRO + DRO + MRO)  
Chloride 4500  
HOLD  
BTEX added 5/17/23

## 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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS-11A (5')	5/16/2023	12:40	x		Comp	1
CS-19A (5')	5/16/2023	12:42	x		Comp	1
CS-20A (5')	5/16/2023	12:44	x		Comp	1
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

## Additional Comments:

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

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
CS-43A (4.5')	4/26/2023	1:00	x		Comp	1
CS-44A (4.5')	4/26/2023	1:02	x		Comp	1
CS-51A (4')	4/26/2023	1:04	x		Comp	1
CS-53A (4')	4/26/2023	1:06	x		Comp	1
CS-57A (4')	4/26/2023	1:08	x		Comp	1
CS-63A (4')	4/26/2023	1:10	x		Comp	1
CS-71A (3.5')	4/26/2023	1:12	x		Comp	1
CS-77A (4')	4/26/2023	1:14	x		Comp	1
CS-83A (4')	4/26/2023	1:16	x		Comp	1
CS-85A (4')	4/26/2023	1:18	x		Comp	1

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>			
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:	-0.1°C
		Temperature Reading:	-5.0°C
		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
CS-92A (4')	5/16/2023	1:22	x		Comp	1
CS-96A (4')	5/16/2023	1:24	x		Comp	1
CS-102A (3.5')	5/16/2023	1:26	x		Comp	1
CS-104A (4.5')	5/16/2023	1:28	x		Comp	1
CS-109A (4.5')	5/16/2023	1:30	x		Comp	1
CS-116A (5')	5/16/2023	1:32	x		Comp	1
CS-120A (5')	5/16/2023	1:34	x		Comp	1
CS-121A (5')	5/16/2023	1:36	x		Comp	1
SW-1A (0-5')	5/16/2023	1:38	x		Comp	1

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	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 <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: <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													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													Zn Acetate+NaOH: Zn							
Total Containers:	49		Corrected Temperature:	-5.6												NaOH+Ascorbic Acid: SAPC							
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments				
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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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 6:42	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205





## Chain of Custody

Work Order No: 4232490

Page 5 of 5

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	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	237274	Due Date:	
Project Location:	Lea Co, New Mexico	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kenny Han		
PO #:	35000		

SAMPLE RECEIPT	
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
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Containers:	49

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont
SW-33A (0-3")	5/16/2023	2:00	x		Comp	1
SW-34A (0-3")	5/16/2023	2:02	x		Comp	1
SW-35A (0-4")	5/16/2023	2:04	x		Comp	1
SW-37A (0-3")	5/16/2023	2:06	x		Comp	1
SW-38A (0-4")	5/16/2023	2:08	x		Comp	1
SW-39A (0-3")	5/16/2023	2:10	x		Comp	1
SW-41A (0-3")	5/16/2023	2:12	x		Comp	1
SW-42A (0-3")	5/16/2023	2:14	x		Comp	1
SW-43A (0-3")	5/16/2023	2:16	x		Comp	1

ANALYSIS REQUEST										Preservative Codes		
Parameters	BTEX 8021B	TPH 8015M (GRO + PRO + 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

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>	5/17/23 8:40am	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205

Report to:  
Becky Haskell



# envirotech

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## Analytical Report

NTG-New Tech Global Environmental

Project Name: Sheba #3

Work Order: E307090

Job Number: 21106-0001

Received: 7/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/25/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.



Date Reported: 7/25/23



Becky Haskell  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Sheba #3  
Workorder: E307090  
Date Received: 7/19/2023 7:45:00AM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/19/2023 7:45:00AM, under the Project Name: Sheba #3.

The analytical test results summarized in this report with the Project Name: Sheba #3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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

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

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

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	7
Sample Data	9
SW-70 (4-4.5')	9
SW-71 (4-4.5')	10
SW-73 (4-4.5')	11
SW-85 (0-5')	12
SW-87 (4-5')	13
SW-105 (4-5')	14
SW-108 (0.5-3')	15
SW-109 (0.5-3')	16
CS-124A (4')	17
CS-153A (3')	18
CS-154A (3')	19
CS-180 (5')	20
CS-181 (5')	21
CS-182 (4')	22
CS-185 (4')	23
CS-39A (4.5')	24
CS-41A (4.5')	25
CS-45A (4.5')	26
CS-59A (4')	27
CS-142A (4')	28

## Table of Contents (continued)

CS-179 (4')	29
CS-183 (5')	30
CS-184 (5')	31
CS-186 (4')	32
CS-187 (4')	33
CS-188 (4')	34
CS-189 (4')	35
CS-190 (4')	36
CS-191 (4.5')	37
CS-192 (3')	38
CS-193 (3')	39
CS-194 (3')	40
CS-195 (3')	41
CS-196 (3')	42
CS-197 (3')	43
CS-198 (3')	44
CS-199 (3')	45
CS-200 (3')	46
CS-201 (3')	47
CS-202 (3')	48
CS-203 (3')	49
CS-204 (3')	50
CS-205 (3')	51
CS-206 (3')	52
SW-72 (0-4')	53

## Table of Contents (continued)

SW-74 (4-5')	54
SW-75 (4-5')	55
SW-76 (4-5')	56
SW-77 (4-4.5')	57
SW-78 (4-4.5')	58
SW-79 (3-4')	59
SW-80 (3-4')	60
SW-81 (3-4')	61
SW-82 (0-5')	62
SW-83 (0-5')	63
SW-84 (0-5')	64
SW-86 (0-5')	65
SW-88 (0-0.5')	66
SW-89 (0-4')	67
SW-90 (0-4')	68
SW-91 (0-4')	69
SW-92 (0-4')	70
SW-93 (0-4')	71
SW-94 (0-4')	72
SW-95 (0-3')	73
SW-96 (0-3.5')	74
SW-97 (0-4')	75
SW-98 (4-5')	76
SW-99 (3-3.5')	77
SW-100 (3-4')	78



## Table of Contents (continued)

SW-101 (3-4')	79
SW-102 (3-4')	80
SW-103 (3-4')	81
SW-104 (3-4')	82
SW-106 (2-4')	83
SW-107 (0-.5-4')	84
SW-110 (3-4')	85
SW-50A (0-2')	86
SW-55A (0.5-4')	87
QC Summary Data	88
QC - Volatile Organics by EPA 8021B	88
QC - Nonhalogenated Organics by EPA 8015D - GRO	92
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	96
QC - Anions by EPA 300.0/9056A	101
Definitions and Notes	105
Chain of Custody etc.	106

## Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name:	Sheba #3	<b>Reported:</b>  07/25/23 15:57
	Project Number:	21106-0001	
	Project Manager:	Becky Haskell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW-70 (4-4.5')	E307090-01A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-71 (4-4.5')	E307090-02A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-73 (4-4.5')	E307090-03A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-85 (0-5')	E307090-04A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-87 (4-5')	E307090-05A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-105 (4-5')	E307090-06A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-108 (0.5-3')	E307090-07A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
SW-109 (0.5-3')	E307090-08A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-124A (4')	E307090-09A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-153A (3')	E307090-10A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-154A (3')	E307090-11A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-180 (5')	E307090-12A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-181 (5')	E307090-13A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-182 (4')	E307090-14A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-185 (4')	E307090-15A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
CS-39A (4.5')	E307090-16A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-41A (4.5')	E307090-17A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-45A (4.5')	E307090-18A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-59A (4')	E307090-19A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-142A (4')	E307090-20A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-179 (4')	E307090-21A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-183 (5')	E307090-22A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-184 (5')	E307090-23A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-186 (4')	E307090-24A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-187 (4')	E307090-25A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-188 (4')	E307090-26A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-189 (4')	E307090-27A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-190 (4')	E307090-28A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-191 (4.5')	E307090-29A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-192 (3')	E307090-30A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-193 (3')	E307090-31A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-194 (3')	E307090-32A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-195 (3')	E307090-33A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-196 (3')	E307090-34A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-197 (3')	E307090-35A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-198 (3')	E307090-36A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-199 (3')	E307090-37A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-200 (3')	E307090-38A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-201 (3')	E307090-39A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-202 (3')	E307090-40A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.



## Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name:	Sheba #3	<b>Reported:</b>  07/25/23 15:57
	Project Number:	21106-0001	
	Project Manager:	Becky Haskell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-203 (3')	E307090-41A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-204 (3')	E307090-42A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-205 (3')	E307090-43A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
CS-206 (3')	E307090-44A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-72 (0-4')	E307090-45A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-74 (4-5')	E307090-46A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-75 (4-5')	E307090-47A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-76 (4-5')	E307090-48A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-77 (4-4.5')	E307090-49A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-78 (4-4.5')	E307090-50A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-79 (3-4')	E307090-51A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-80 (3-4')	E307090-52A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-81 (3-4')	E307090-53A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-82 (0-5')	E307090-54A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-83 (0-5')	E307090-55A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-84 (0-5')	E307090-56A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-86 (0-5')	E307090-57A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-88 (0-0.5')	E307090-58A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-89 (0-4')	E307090-59A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-90 (0-4')	E307090-60A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-91 (0-4')	E307090-61A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-92 (0-4')	E307090-62A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-93 (0-4')	E307090-63A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-94 (0-4')	E307090-64A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-95 (0-3')	E307090-65A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-96 (0-3.5')	E307090-66A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-97 (0-4')	E307090-67A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-98 (4-5')	E307090-68A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-99 (3-3.5')	E307090-69A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-100 (3-4')	E307090-70A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-101 (3-4')	E307090-71A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-102 (3-4')	E307090-72A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-103 (3-4')	E307090-73A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-104 (3-4')	E307090-74A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-106 (2-4')	E307090-75A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-107 (0-.5-4')	E307090-76A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-110 (3-4')	E307090-77A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-50A (0-2')	E307090-78A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
SW-55A (0.5-4')	E307090-79A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-70 (4-4.5')

## E307090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	66.0 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-71 (4-4.5')

E307090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	91.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-73 (4-4.5')

## E307090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	89.0 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	41.2	20.0	1	07/19/23	07/20/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-85 (0-5')

## E307090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	86.6 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-87 (4-5')

## E307090-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		92.9 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	36.3	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-105 (4-5')

## E307090-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.8 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		93.6 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-108 (0.5-3')

## E307090-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	82.7 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-109 (0.5-3')

## E307090-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	88.7 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-124A (4')

## E307090-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	91.6 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	271	20.0	1	07/19/23	07/20/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-153A (3')

## E307090-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	89.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	234	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-154A (3')

## E307090-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	88.7 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-180 (5')

## E307090-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	41.1	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	74.7 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	23.7	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-181 (5')

## E307090-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	89.6 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	23.7	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

CS-182 (4')

E307090-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	78.5 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/20/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-185 (4')

## E307090-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	<b>0.0370</b>	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	<b>0.0567</b>	0.0500	1	07/19/23	07/20/23	
Total Xylenes	<b>0.0567</b>	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.3 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	<b>820</b>	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	<b>303</b>	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		96.9 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	<b>36.7</b>	20.0	1	07/19/23	07/20/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-39A (4.5')

## E307090-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		78.6 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-41A (4.5')

## E307090-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		92.4 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-45A (4.5')

## E307090-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	0.0309	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-59A (4')

## E307090-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-142A (4')

## E307090-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329040
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	92.7 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329045
Chloride	27.1	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-179 (4')

## E307090-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	91.7 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-183 (5')

## E307090-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	92.5 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	40.5	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-184 (5')

## E307090-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	99.2 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	29.2	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-186 (4')

## E307090-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	88.8 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	29.5	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

CS-187 (4')

E307090-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

CS-188 (4')

E307090-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	88.9 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	23.7	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-189 (4')

## E307090-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	24.9	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-190 (4')

## E307090-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.0 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-191 (4.5')

## E307090-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.2 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported: 7/25/2023 3:57:22PM
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CS-192 (3')  
E307090-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
Surrogate: 4-Bromochlorobenzene-PID	99.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.5 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329072	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/21/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/21/23	
Surrogate: n-Nonane	89.7 %	50-200		07/20/23	07/21/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329046	
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-193 (3')

## E307090-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.7 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329072	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>	89.5 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329046	
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-194 (3')

## E307090-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	92.8 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-195 (3')

## E307090-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329072	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>	95.2 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329046	
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-196 (3')

## E307090-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.1 %	70-130	07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
		90.6 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-197 (3')

## E307090-35

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.4 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	89.0	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-198 (3')

## E307090-36

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	91.2 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-199 (3')

## E307090-37

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.4 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.4 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329072	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>	93.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329046	
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-200 (3')

## E307090-38

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.2 %	70-130		07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329072
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-201 (3')

## E307090-39

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Benzene	ND	0.0250	1	07/19/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/21/23	
Toluene	ND	0.0250	1	07/19/23	07/21/23	
o-Xylene	ND	0.0250	1	07/19/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.9 %	70-130	07/19/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329072	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
<i>Surrogate: n-Nonane</i>		99.1 %	50-200	07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329046	
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-202 (3')

## E307090-40

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329041
Benzene	ND	0.0250	1	07/19/23	07/22/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/22/23	
Toluene	ND	0.0250	1	07/19/23	07/22/23	
o-Xylene	ND	0.0250	1	07/19/23	07/22/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/22/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	07/19/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2329041
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %	70-130	07/19/23	07/22/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>		89.3 %	50-200	07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: BA		Batch: 2329046
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-203 (3')

## E307090-41

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-204 (3')

## E307090-42

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.9 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-205 (3')

## E307090-43

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	84.4 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## CS-206 (3')

## E307090-44

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	93.7 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-72 (0-4')

## E307090-45

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	142 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	29.2	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-74 (4-5')

E307090-46

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	88.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	39.8	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-75 (4-5')

E307090-47

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	89.9 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	31.9	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-76 (4-5')

## E307090-48

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	89.7 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	44.0	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-77 (4-4.5')

E307090-49

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	88.6 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-78 (4-4.5')

E307090-50

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	79.2 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-79 (3-4')

## E307090-51

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.9 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	79.8 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-80 (3-4')

## E307090-52

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.8 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	77.1 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-81 (3-4')

## E307090-53

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	83.5 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-82 (0-5')

## E307090-54

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	87.8 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-83 (0-5')

## E307090-55

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.8 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	92.8 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	20.1	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-84 (0-5')

E307090-56

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.7 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	83.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-86 (0-5')

## E307090-57

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	85.4 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	28.7	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

SW-88 (0-0.5')

E307090-58

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.6 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	83.3 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	ND	20.0	1	07/19/23	07/22/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-89 (0-4')

## E307090-59

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.3 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329080
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	90.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	36.0	20.0	1	07/19/23	07/22/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-90 (0-4')

## E307090-60

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Benzene	ND	0.0250	1	07/19/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/19/23	07/20/23	
Toluene	ND	0.0250	1	07/19/23	07/20/23	
o-Xylene	ND	0.0250	1	07/19/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/19/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/19/23	07/20/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329042
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/23	07/20/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.1 %	70-130		07/19/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	82.7 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329047
Chloride	31.3	20.0	1	07/19/23	07/22/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-91 (0-4')

## E307090-61

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>						
	80.3 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	25.9	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-92 (0-4')

## E307090-62

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.1 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	85.8 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329081	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/24/23	
<i>Surrogate: n-Nonane</i>	84.0 %	50-200		07/24/23	07/24/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329048	
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-93 (0-4')

## E307090-63

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.9 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.7 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329081	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>	86.7 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329048	
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-94 (0-4')

## E307090-64

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.8 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	84.2 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329081	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>	72.3 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329048	
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-95 (0-3')

## E307090-65

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	81.3 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-96 (0-3.5')

## E307090-66

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	76.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-97 (0-4')

## E307090-67

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.8 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	84.8 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-98 (4-5')

## E307090-68

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.4 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	67.5 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-99 (3-3.5')

## E307090-69

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.3 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	70.9 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-100 (3-4')

## E307090-70

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.7 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	76.5 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-101 (3-4')

## E307090-71

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	80.3 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-102 (3-4')

## E307090-72

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.5 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	69.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-103 (3-4')

## E307090-73

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	68.7 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-104 (3-4')

## E307090-74

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	76.9 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-106 (2-4')

## E307090-75

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.5 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	84.0 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	23.2	20.0	1	07/19/23	07/21/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-107 (0-.5-4')

## E307090-76

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.3 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2329051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.6 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2329081	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>	81.7 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2329048	
Chloride	36.6	20.0	1	07/19/23	07/21/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-110 (3-4')

## E307090-77

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	86.5 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/22/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-50A (0-2')

## E307090-78

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.3 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	82.4 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/22/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 3:57:22PM

## SW-55A (0.5-4')

## E307090-79

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2329051
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.2 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329081
Diesel Range Organics (C10-C28)	ND	25.0	1	07/24/23	07/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/24/23	07/25/23	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		07/24/23	07/25/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329048
Chloride	ND	20.0	1	07/19/23	07/22/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	7/25/2023 3:57:22PM

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2329040-BLK1) Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

LCS (2329040-BS1) Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.7	70-130			
Toluene	4.67	0.0250	5.00		93.3	70-130			
o-Xylene	4.70	0.0250	5.00		94.0	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.1	0.0250	15.0		94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2329040-MS1) Source: E307090-06 Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	4.63	0.0250	5.00	ND	92.6	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.66	0.0250	5.00	ND	93.3	61-130			
o-Xylene	4.69	0.0250	5.00	ND	93.8	63-131			
p,m-Xylene	9.40	0.0500	10.0	ND	94.0	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

Matrix Spike Dup (2329040-MSD1) Source: E307090-06 Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	4.66	0.0250	5.00	ND	93.2	54-133	0.717	20	
Ethylbenzene	4.58	0.0250	5.00	ND	91.5	61-133	0.949	20	
Toluene	4.71	0.0250	5.00	ND	94.2	61-130	1.01	20	
o-Xylene	4.75	0.0250	5.00	ND	95.1	63-131	1.33	20	
p,m-Xylene	9.50	0.0500	10.0	ND	95.0	63-131	1.06	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.0	63-131	1.15	20	
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329041-BLK1)

Prepared: 07/19/23 Analyzed: 07/21/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			

## LCS (2329041-BS1)

Prepared: 07/19/23 Analyzed: 07/21/23

Benzene	4.41	0.0250	5.00		88.3	70-130			
Ethylbenzene	4.44	0.0250	5.00		88.8	70-130			
Toluene	4.53	0.0250	5.00		90.6	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.22	0.0500	10.0		92.2	70-130			
Total Xylenes	13.8	0.0250	15.0		92.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## Matrix Spike (2329041-MS1)

Source: E307090-21

Prepared: 07/19/23 Analyzed: 07/21/23

Benzene	4.61	0.0250	5.00	ND	92.2	54-133			
Ethylbenzene	4.61	0.0250	5.00	ND	92.3	61-133			
Toluene	4.72	0.0250	5.00	ND	94.4	61-130			
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.56	0.0500	10.0	ND	95.6	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	95.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.8	70-130			

## Matrix Spike Dup (2329041-MSD1)

Source: E307090-21

Prepared: 07/19/23 Analyzed: 07/24/23

Benzene	4.23	0.0250	5.00	ND	84.5	54-133	8.70	20	
Ethylbenzene	4.39	0.0250	5.00	ND	87.8	61-133	4.92	20	
Toluene	4.43	0.0250	5.00	ND	88.6	61-130	6.30	20	
o-Xylene	4.57	0.0250	5.00	ND	91.3	63-131	4.88	20	
p,m-Xylene	9.12	0.0500	10.0	ND	91.2	63-131	4.71	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.3	63-131	4.76	20	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.4	70-130			





## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329042-BLK1)

Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

## LCS (2329042-BS1)

Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

## Matrix Spike (2329042-MS1)

Source: E307090-42

Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	4.71	0.0250	5.00	ND	94.1	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.2	61-133			
Toluene	4.74	0.0250	5.00	ND	94.7	61-130			
o-Xylene	4.69	0.0250	5.00	ND	93.9	63-131			
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

## Matrix Spike Dup (2329042-MSD1)

Source: E307090-42

Prepared: 07/19/23 Analyzed: 07/20/23

Benzene	4.91	0.0250	5.00	ND	98.1	54-133	4.14	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	61-133	4.27	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	4.05	20	
o-Xylene	4.87	0.0250	5.00	ND	97.5	63-131	3.77	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	4.01	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.3	63-131	3.93	20	
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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## Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329051-BLK1)

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

## LCS (2329051-BS1)

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.3	70-130			
Toluene	4.89	0.0250	5.00		97.9	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.91	0.0500	10.0		99.1	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

## Matrix Spike (2329051-MS1)

Source: E307090-62

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	4.58	0.0250	5.00	ND	91.7	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.9	61-133			
Toluene	4.78	0.0250	5.00	ND	95.6	61-130			
o-Xylene	4.83	0.0250	5.00	ND	96.7	63-131			
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.8	70-130			

## Matrix Spike Dup (2329051-MSD1)

Source: E307090-62

Prepared: 07/20/23 Analyzed: 07/21/23

Benzene	4.82	0.0250	5.00	ND	96.4	54-133	4.97	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.7	61-133	3.92	20	
Toluene	4.99	0.0250	5.00	ND	99.8	61-130	4.28	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.96	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.77	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.83	20	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:  7/25/2023 3:57:22PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329040-BLK1) Prepared: 07/19/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.5	70-130			

LCS (2329040-BS2) Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

Matrix Spike (2329040-MS2) Source: E307090-06 Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.64		8.00		82.9	70-130			

Matrix Spike Dup (2329040-MSD2) Source: E307090-06 Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130	5.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.8	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:  7/25/2023 3:57:22PM
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329041-BLK1) Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.59		8.00		82.4	70-130			

LCS (2329041-BS2) Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.77		8.00		84.7	70-130			

Matrix Spike (2329041-MS2) Source: E307090-21 Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0	ND	86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

Matrix Spike Dup (2329041-MSD2) Source: E307090-21 Prepared: 07/19/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.1	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.8	70-130			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	7/25/2023 3:57:22PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329042-BLK1) Prepared: 07/19/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

LCS (2329042-BS2) Prepared: 07/19/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	35.9	20.0	50.0		71.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			

Matrix Spike (2329042-MS2) Source: E307090-42 Prepared: 07/19/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	36.2	20.0	50.0	ND	72.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.68		8.00		83.5	70-130			

Matrix Spike Dup (2329042-MSD2) Source: E307090-42 Prepared: 07/19/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	37.1	20.0	50.0	ND	74.2	70-130	2.50	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.77		8.00		84.6	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329051-BLK1) Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			

LCS (2329051-BS2) Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			

Matrix Spike (2329051-MS2) Source: E307090-62 Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

Matrix Spike Dup (2329051-MSD2) Source: E307090-62 Prepared: 07/20/23 Analyzed: 07/21/23

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.4	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			





QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329069-BLK1)

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.6		50.0		87.1	50-200			

LCS (2329069-BS1)

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			

Matrix Spike (2329069-MS1)

Source: E307090-05

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	257	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	92.7		50.0		185	50-200			

Matrix Spike Dup (2329069-MSD1)

Source: E307090-05

Prepared: 07/20/23 Analyzed: 07/21/23

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	1.65	20	
Surrogate: n-Nonane	45.0		50.0		90.1	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2329071-BLK1)</b>					Prepared: 07/20/23 Analyzed: 07/22/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	50-200			

<b>LCS (2329071-BS1)</b>					Prepared: 07/20/23 Analyzed: 07/22/23				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			

<b>Matrix Spike (2329071-MS1)</b>					<b>Source: E307090-17</b>		Prepared: 07/20/23 Analyzed: 07/22/23		
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			

<b>Matrix Spike Dup (2329071-MSD1)</b>					<b>Source: E307090-17</b>		Prepared: 07/20/23 Analyzed: 07/22/23		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.750	20	
Surrogate: n-Nonane	51.0		50.0		102	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329072-BLK1)					Prepared: 07/20/23 Analyzed: 07/21/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.3	50-200			

LCS (2329072-BS1)					Prepared: 07/20/23 Analyzed: 07/21/23				
Diesel Range Organics (C10-C28)	235	25.0	250		94.0	38-132			
Surrogate: n-Nonane	44.0		50.0		87.9	50-200			

Matrix Spike (2329072-MS1)					Source: E307090-34		Prepared: 07/20/23 Analyzed: 07/21/23		
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.2	38-132			
Surrogate: n-Nonane	45.2		50.0		90.5	50-200			

Matrix Spike Dup (2329072-MSD1)					Source: E307090-34		Prepared: 07/20/23 Analyzed: 07/21/23		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	6.14	20	
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329080-BLK1)

Prepared: 07/24/23 Analyzed: 07/24/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	34.9		50.0		69.8	50-200			

## LCS (2329080-BS1)

Prepared: 07/24/23 Analyzed: 07/24/23

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			

## Matrix Spike (2329080-MS1)

Source: E307090-55

Prepared: 07/24/23 Analyzed: 07/24/23

Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	48.5		50.0		97.1	50-200			

## Matrix Spike Dup (2329080-MSD1)

Source: E307090-55

Prepared: 07/24/23 Analyzed: 07/24/23

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.03	20	
Surrogate: n-Nonane	43.5		50.0		86.9	50-200			



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	7/25/2023 3:57:22PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329081-BLK1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.4		50.0		76.8	50-200			

LCS (2329081-BS1)					Prepared: 07/24/23 Analyzed: 07/24/23				
Diesel Range Organics (C10-C28)	250	25.0	250		99.9	38-132			
Surrogate: n-Nonane	44.2		50.0		88.4	50-200			

Matrix Spike (2329081-MS1)					Source: E307090-77		Prepared: 07/24/23 Analyzed: 07/24/23		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	34.6		50.0		69.2	50-200			

Matrix Spike Dup (2329081-MSD1)					Source: E307090-77		Prepared: 07/24/23 Analyzed: 07/24/23		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132	0.463	20	
Surrogate: n-Nonane	39.8		50.0		79.7	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329045-BLK1)					Prepared: 07/19/23 Analyzed: 07/20/23				
Chloride	ND	20.0							
LCS (2329045-BS1)					Prepared: 07/19/23 Analyzed: 07/20/23				
Chloride	263	20.0	250		105	90-110			
Matrix Spike (2329045-MS1)					Source: E307090-01		Prepared: 07/19/23 Analyzed: 07/20/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2329045-MSD1)					Source: E307090-01		Prepared: 07/19/23 Analyzed: 07/20/23		
Chloride	257	20.0	250	ND	103	80-120	0.583	20	





QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329046-BLK1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	ND	20.0							
LCS (2329046-BS1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2329046-MS1)					Source: E307090-21		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2329046-MSD1)					Source: E307090-21		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	255	20.0	250	ND	102	80-120	1.05	20	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329047-BLK1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	ND	20.0							
LCS (2329047-BS1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2329047-MS1)					Source: E307090-41		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2329047-MSD1)					Source: E307090-41		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	261	20.0	250	ND	104	80-120	0.101	20	



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 3:57:22PM
---------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2329048-BLK1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	ND	20.0							
LCS (2329048-BS1)					Prepared: 07/19/23 Analyzed: 07/21/23				
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2329048-MS1)					Source: E307090-61		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	280	20.0	250	25.9	102	80-120			
Matrix Spike Dup (2329048-MSD1)					Source: E307090-61		Prepared: 07/19/23 Analyzed: 07/21/23		
Chloride	275	20.0	250	25.9	99.5	80-120	1.96	20	

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



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Sheba #3	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Becky Haskell	07/25/23 15:57

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Chain of Custody

 Work Order No: E307090  
 Job # 21104-0001
Page 1 of 8

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <u>NTGE</u>
Company Name:	NTG Environmental	Company Name:	<del>Permian Resources</del>
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:	BHaskell@ntglobal.com

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

Project Name:		Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number:	237274	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code													None: NO	DI Water: H <sub>2</sub> O			
Project Location	Lea Co, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										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 No														Wet Ice:	<input checked="" type="radio"/> Yes <input type="radio"/> No	HOLD	H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	<input checked="" type="radio"/> Yes <input type="radio"/> No	Thermometer ID:	4														NaHSO <sub>4</sub> : NABIS				
Cooler Custody Seals:	Yes No <input checked="" type="radio"/> N/A	Correction Factor:		Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>																	
Sample Custody Seals:	Yes No <input checked="" type="radio"/> N/A	Temperature Reading:	4 cm	Zn Acetate+NaOH: Zn																	
Total Containers:	79	Corrected Temperature:															NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments				
SW-70 (4-4.5')	7/13/2023	10:00	x		Comp	1	x	x	x								1				
SW-71 (4-4.5')	7/13/2023	10:05	x		Comp	1	x	x	x								2				
SW-73 (4-4.5')	7/13/2023	10:10	x		Comp	1	x	x	x								3				
SW-85 (0-5')	7/13/2023	10:15	x		Comp	1	x	x	x								4				
SW-87 (4-5')	7/13/2023	10:20	x		Comp	1	x	x	x								5				
SW-105 (4-5')	7/13/2023	10:25	x		Comp	1	x	x	x								6				
SW-108 (0.5-3')	7/13/2023	10:30	x		Comp	1	x	x	x								7				
SW-109 (0.5-3')	7/13/2023	10:35	x		Comp	1	x	x	x								8				
CS-124A (4')	7/13/2023	10:40	x		Comp	1	x	x	x								9				
CS-153A (3')	7/13/2023	10:45	x		Comp	1	x	x	x								10				

 Additional Comments: Bill to NTG / Email Results to NTG email chain

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Michelle Gandy</u>	7-18-23 1530	<u>Michelle Gandy</u>	<u>Adrian Meso</u>	7-18-23 173
<u>Adrian Meso</u>	<u>Cathy Meso</u>	7-18-23 2200			
		7/19/23 7:45			

CM





## Chain of Custody

 Work Order No: F307090  
 Job # 21100-0001
Page 2 of 8

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	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:		Sheba #3		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		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 No		Wet Ice:		Yes No														H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		4 cm														NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn							
Total Containers:		79		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-154A (3')		7/13/2023		10:50		x				Comp		1		x x x												11	
CS-180 (5')		7/13/2023		10:55		x				Comp		1		x x x												12	
CS-181 (5')		7/13/2023		11:00		x				Comp		1		x x x												13	
CS-182 (4')		7/13/2023		11:05		x				Comp		1		x x x												14	
CS-185 (4')		7/13/2023		11:10		x				Comp		1		x x x												15	
CS-39A (4.5')		7/14/2023		11:00		x				Comp		1		x x x												16	
CS-41A (4.5')		7/14/2023		11:03		x				Comp		1		x x x												17	
CS-45A (4.5')		7/14/2023		11:06		x				Comp		1		x x x												18	
CS-59A (4')		7/14/2023		11:09		x				Comp		1		x x x												19	
CS-142A (4')		7/14/2023		11:12		x				Comp		1		x x x												20	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7-18-23 1530	<i>[Signature]</i>	<i>[Signature]</i>	7-18-23 1730
<i>[Signature]</i>	<i>[Signature]</i>	7-18-23 7:45	<i>[Signature]</i>	<i>[Signature]</i>	
		7/19/23 7:45			





## Chain of Custody

 Work Order No: E307090  
 Job # 21106-0001
Page 3 of 8

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
State of Project:	
Reporting Level:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:		Sheba #3		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location:		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		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 No		Wet Ice:		Yes No														H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		Yes No		Thermometer ID:		4 cm														NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn							
Total Containers:		79		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-179 (4')		7/14/2023		11:15		x				Comp		1		x x x												21	
CS-183 (5')		7/14/2023		11:18		x				Comp		1		x x x												22	
CS-184 (5')		7/14/2023		11:21		x				Comp		1		x x x												23	
CS-186 (4')		7/14/2023		11:24		x				Comp		1		x x x												24	
CS-187 (4')		7/14/2023		11:27		x				Comp		1		x x x												25	
CS-188 (4')		7/14/2023		11:30		x				Comp		1		x x x												26	
CS-189 (4')		7/14/2023		11:33		x				Comp		1		x x x												27	
CS-190 (4')		7/14/2023		11:36		x				Comp		1		x x x												28	
CS-191 (4.5')		7/14/2023		11:39		x				Comp		1		x x x												29	
CS-192 (3')		7/14/2023		11:42		x				Comp		1		x x x												30	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>Michelle Gonzalez</i>	7-18-23 1530	<i>Michelle Gonzalez</i>	<i>Andres Muro</i>	7-18-23 1730
3 <i>[Signature]</i>	<i>Cathy McLean</i>	7-18-23 2:00			
5		7/19/23 7:45			





## Chain of Custody

Work Order No: E307090  
Job # 21106-0001

Page 4 of 8

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	
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				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		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 No		Wet Ice:		Yes No														H <sub>3</sub> PO <sub>4</sub> HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		4Cm														NaHSO <sub>4</sub> NABIS							
Cooler Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn							
Total Containers:		79		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
CS-193 (3')		7/14/2023		11:45		x				Comp		1		x x x												31	
CS-194 (3')		7/14/2023		11:48		x				Comp		1		x x x												32	
CS-195 (3')		7/14/2023		11:51		x				Comp		1		x x x												33	
CS-196 (3')		7/14/2023		11:54		x				Comp		1		x x x												34	
CS-197 (3')		7/14/2023		11:57		x				Comp		1		x x x												35	
CS-198 (3')		7/14/2023		12:00		x				Comp		1		x x x												36	
CS-199 (3')		7/14/2023		12:03		x				Comp		1		x x x												37	
CS-200 (3')		7/14/2023		12:06		x				Comp		1		x x x												38	
CS-201 (3')		7/14/2023		12:09		x				Comp		1		x x x												39	
CS-202 (3')		7/14/2023		12:12		x				Comp		1		x x x												40	

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>Michelle Gungah</i>	7-18-23 1530	<i>Michelle Gungah</i>	<i>Adar musso</i>	7-18-23 1730
<i>Adar musso</i>	<i>Castle Mann</i>	7-19-23 2300			
		7/19/23 7:45			









## Chain of Custody

 Work Order No: E307090  
 Job # 21100-0001
Page 6 of 8

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	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:		Sheba #3		Turn Around				ANALYSIS REQUEST												Preservative Codes			
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O			
Project Location		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me			
Sampler's Name:		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			
<b>SAMPLE RECEIPT</b>		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		4 cm														NaHSO <sub>4</sub> : NABIS			
Cooler Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>			
Sample Custody Seals:		Yes No <input checked="" type="checkbox"/> N/A		Temperature Reading:		4														Zn Acetate+NaOH: Zn			
Total Containers:		79		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
SW-79 (3-4')		7/14/2023	12:15	x		Comp	1	x	x	x								51					
SW-80 (3-4')		7/14/2023	12:18	x		Comp	1	x	x	x								52					
SW-81 (3-4')		7/14/2023	12:21	x		Comp	1	x	x	x								53					
SW-82 (0-5')		7/14/2023	12:24	x		Comp	1	x	x	x								54					
SW-83 (0-5')		7/14/2023	12:27	x		Comp	1	x	x	x								55					
SW-84 (0-5')		7/14/2023	12:30	x		Comp	1	x	x	x								56					
SW-86 (0-5')		7/14/2023	12:33	x		Comp	1	x	x	x								57					
SW-88 (0-0.5')		7/14/2023	12:36	x		Comp	1	x	x	x								58					
SW-89 (0-4')		7/14/2023	12:39	x		Comp	1	x	x	x								59					
SW-90 (0-4')		7/14/2023	12:42	x		Comp	1	x	x	x								60					

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>Michelle Camacho</i>	7-18-23 1530	<i>Michelle Camacho</i>	<i>Michelle Camacho</i>	7-18-23 1730
<i>[Signature]</i>	<i>Carth Man</i>	7-18-23 2300			
		7/19/23 7:45			





## Chain of Custody

Work Order No: E307090  
Job # 21106-0001

Page 7 of 8

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
State of Project:				
Reporting:	Level <input type="checkbox"/>	Level <input type="checkbox"/>	PST/U <input type="checkbox"/>	TR <input type="checkbox"/> La
Deliverables:	EDD <input type="checkbox"/>	ADaP <input type="checkbox"/>	Other:	

[illegible]

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 <i>[Signature]</i>	<i>Michelle Gonzalez</i>	7-18-23 1530	2 <i>Michelle Gonzalez</i>	<i>[Signature]</i> <i>msx</i>	7-18-23 1730
3 <i>[Signature]</i>	<i>Carth Man</i>	<del>7-18-23 2300</del>	4		
5		7/19/23 7:05	6		





Work Order No: E307090  
Job # 21100-0001

Page 8 of 8






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	Brownfield	Report
State of Project:				
Reporting:	Level	Level	PST/UT	TR
Deliverables:	EDD	ADaPT	Other:	

[illegible]

Additional Comments:
----------------------

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 	Michelle Cangelosi	7-18-23 1530	2 	 mcs	7-18-23 1730
3  Andrea mcs	Cathy Man	7-18-23 1530	4 		
5		7/19/23 1145	6		

CM



## Envirotech Analytical Laboratory

Printed: 7/20/2023 10:54:35AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: NTG-New Tech Global Environmental	Date Received: 07/19/23 07:45	Work Order ID: E307090
Phone: (281) 872-9300	Date Logged In: 07/19/23 09:26	Logged In By: Caitlin Mars
Email: bhaskell@ntglobal.com	Due Date: 07/25/23 17:00 (4 day TAT)	

Chain of Custody (COC)

- |                                                                             |     |
|-----------------------------------------------------------------------------|-----|
| 1. Does the sample ID match the COC?                                        | Yes |
| 2. Does the number of samples per sampling site location match the COC?     | Yes |
| 3. Were samples dropped off by client or carrier?                           | Yes |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes |
| 5. Were all samples received within holding time?                           | Yes |

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

- |                                                                                      |
|--------------------------------------------------------------------------------------|
| 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> |
|--------------------------------------------------------------------------------------|

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

SRC Email not sent to client per client request.

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

Date



envirotech Inc.

Report to:  
Becky Haskell



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

NTG-New Tech Global Environmental

Project Name: Sheba #3

Work Order: E307089

Job Number: 21106-0001

Received: 7/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/25/23

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 7/25/23

Becky Haskell  
911 Regional Park Dr.  
Houston, TX 77060



Project Name: Sheba #3  
Workorder: E307089  
Date Received: 7/19/2023 7:45:00AM

Becky Haskell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/19/2023 7:45:00AM, under the Project Name: Sheba #3.

The analytical test results summarized in this report with the Project Name: Sheba #3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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

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

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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
DD1 (0-6")	5
DD1 (1-1.5')	6
DD1 (2-2.5')	7
DD2 (0-6")	8
DD2 (1-1.5')	9
DD2 (2-2.5')	10
DD3 (0-6")	11
DD3 (1-1.5')	12
DD3 (2-2.5')	13
DD4 (0-6")	14
DD4 (1-1.5')	15
QC Summary Data	16
QC - Volatile Organic Compounds by EPA 8260B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

NTG-New Tech Global Environmental	Project Name:	Sheba #3	Reported:  07/25/23 14:54
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Becky Haskell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
DD1 (0-6")	E307089-01A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD1 (1-1.5)	E307089-02A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD1 (2-2.5')	E307089-03A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD2 (0-6")	E307089-04A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD2 (1-1.5')	E307089-05A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD2 (2-2.5')	E307089-06A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD3 (0-6")	E307089-07A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD3 (1-1.5')	E307089-08A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD3 (2-2.5')	E307089-09A	Soil	07/14/23	07/19/23	Glass Jar, 4 oz.
DD4 (0-6")	E307089-10A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.
DD4 (1-1.5)	E307089-11A	Soil	07/13/23	07/19/23	Glass Jar, 4 oz.



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD1 (0-6")

E307089-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	99.9 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	99.9 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	88.2 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD1 (1-1.5)

## E307089-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	86.4 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD1 (2-2.5')

## E307089-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	94.8 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	94.8 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	96.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	26.9	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD2 (0-6")

E307089-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	98.0 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD2 (1-1.5')

## E307089-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.0 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.0 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.1 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	88.6 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	39.1	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD2 (2-2.5')

## E307089-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	95.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	94.0 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	125	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD3 (0-6")

E307089-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	103 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	93.4 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	103 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	99.5 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD3 (1-1.5')

## E307089-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	100 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	47.6	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD3 (2-2.5')

## E307089-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/20/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/20/23	
Toluene	ND	0.0250	1	07/20/23	07/20/23	
o-Xylene	ND	0.0250	1	07/20/23	07/20/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/20/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/20/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/20/23	07/20/23	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		07/20/23	07/20/23	
Surrogate: Toluene-d8	101 %	70-130		07/20/23	07/20/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	77.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	76.5	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD4 (0-6")

## E307089-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
Surrogate: Bromofluorobenzene	96.0 %	70-130		07/20/23	07/21/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		07/20/23	07/21/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
Surrogate: Bromofluorobenzene	96.0 %	70-130		07/20/23	07/21/23	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		07/20/23	07/21/23	
Surrogate: Toluene-d8	100 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	98.9 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Sheba #3  
Project Number: 21106-0001  
Project Manager: Becky Haskell

**Reported:**  
7/25/2023 2:54:46PM

## DD4 (1-1.5)

## E307089-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Benzene	ND	0.0250	1	07/20/23	07/21/23	
Ethylbenzene	ND	0.0250	1	07/20/23	07/21/23	
Toluene	ND	0.0250	1	07/20/23	07/21/23	
o-Xylene	ND	0.0250	1	07/20/23	07/21/23	
p,m-Xylene	ND	0.0500	1	07/20/23	07/21/23	
Total Xylenes	ND	0.0250	1	07/20/23	07/21/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/20/23	07/21/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/20/23	07/21/23	
Surrogate: Toluene-d8	99.2 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2329050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/23	07/21/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		07/20/23	07/21/23	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		07/20/23	07/21/23	
Surrogate: Toluene-d8	99.2 %	70-130		07/20/23	07/21/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2329071
Diesel Range Organics (C10-C28)	ND	25.0	1	07/20/23	07/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/20/23	07/22/23	
Surrogate: n-Nonane	91.3 %	50-200		07/20/23	07/22/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2329035
Chloride	ND	20.0	1	07/19/23	07/19/23	



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 2:54:46PM
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## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329050-BLK1)

Prepared: 07/20/23 Analyzed: 07/20/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## LCS (2329050-BS1)

Prepared: 07/20/23 Analyzed: 07/20/23

Benzene	2.45	0.0250	2.50		97.8	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.5	70-130			
Toluene	2.45	0.0250	2.50		97.9	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.87	0.0500	5.00		97.5	70-130			
Total Xylenes	7.32	0.0250	7.50		97.6	70-130			
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

## Matrix Spike (2329050-MS1)

Source: E307086-22

Prepared: 07/20/23 Analyzed: 07/20/23

Benzene	2.49	0.0250	2.50	ND	99.7	48-131			
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135			
Toluene	2.50	0.0250	2.50	ND	100	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.09	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.65	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

## Matrix Spike Dup (2329050-MSD1)

Source: E307086-22

Prepared: 07/20/23 Analyzed: 07/20/23

Benzene	2.45	0.0250	2.50	ND	98.1	48-131	1.60	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.6	45-135	1.20	27	
Toluene	2.44	0.0250	2.50	ND	97.7	48-130	2.41	24	
o-Xylene	2.52	0.0250	2.50	ND	101	43-135	1.79	27	
p,m-Xylene	5.00	0.0500	5.00	ND	100	43-135	1.72	27	
Total Xylenes	7.51	0.0250	7.50	ND	100	43-135	1.74	27	
Surrogate: Bromofluorobenzene	0.473		0.500		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			



## QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 2:54:46PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2329050-BLK1)

Prepared: 07/20/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

## LCS (2329050-BS2)

Prepared: 07/20/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

## Matrix Spike (2329050-MS2)

Source: E307086-22

Prepared: 07/20/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	58.0	20.0	50.0	ND	116	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

## Matrix Spike Dup (2329050-MSD2)

Source: E307086-22

Prepared: 07/20/23 Analyzed: 07/20/23

Gasoline Range Organics (C6-C10)	60.6	20.0	50.0	ND	121	70-130	4.51	20	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			





QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 2:54:46PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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<b>Blank (2329071-BLK1)</b>					Prepared: 07/20/23 Analyzed: 07/22/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	50-200			

<b>LCS (2329071-BS1)</b>					Prepared: 07/20/23 Analyzed: 07/22/23				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			

<b>Matrix Spike (2329071-MS1)</b>					<b>Source: E307090-17</b>		Prepared: 07/20/23 Analyzed: 07/22/23		
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			

<b>Matrix Spike Dup (2329071-MSD1)</b>					<b>Source: E307090-17</b>		Prepared: 07/20/23 Analyzed: 07/22/23		
Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	0.750	20	
Surrogate: n-Nonane	51.0		50.0		102	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Sheba #3 Project Number: 21106-0001 Project Manager: Becky Haskell	Reported:  7/25/2023 2:54:46PM
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Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2329035-BLK1)					Prepared: 07/19/23 Analyzed: 07/19/23				
Chloride	ND	20.0							
LCS (2329035-BS1)					Prepared: 07/19/23 Analyzed: 07/19/23				
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2329035-MS1)					Source: E307089-01		Prepared: 07/19/23 Analyzed: 07/19/23		
Chloride	267	20.0	250	ND	107	80-120			
Matrix Spike Dup (2329035-MSD1)					Source: E307089-01		Prepared: 07/19/23 Analyzed: 07/19/23		
Chloride	268	20.0	250	ND	107	80-120	0.427	20	

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



Definitions and Notes

NTG-New Tech Global Environmental	Project Name:	Sheba #3	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Becky Haskell	07/25/23 14:54

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Chain of Custody

 Work Order No: E307089  
 Job # 21104-0001
Page 1 of 2

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd <u>NTGE</u>
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:	<u>Bhasker11@NTGlobal.com</u>

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

Project Name:		Sheba #3		Turn Around				ANALYSIS REQUEST												Preservative Codes							
Project Number:		237274		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H <sub>2</sub> O							
Project Location		Lea Co, New Mexico		Due Date:																Cool: Cool MeOH: Me							
Sampler's Name:		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 No		Wet Ice:		Yes No														H <sub>3</sub> PO <sub>4</sub> : HP					
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		<u>4 cm</u>														NaHSO <sub>4</sub> : NABIS							
Cooler Custody Seals:		Yes No <u>N/A</u>		Correction Factor:																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>							
Sample Custody Seals:		Yes No <u>N/A</u>		Temperature Reading:		<u>4</u>														Zn Acetate+NaOH: Zn							
Total Containers:		11		Corrected Temperature:																NaOH+Ascorbic Acid: SAPC							
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
DD1 (0-6")		7/14/2023		1:42		x				Grab/		1		x x x												1	
DD1 (1-1.5)		7/14/2023		1:45		x				Grab/		1		x x x												2	
DD1 (2-2.5')		7/14/2023		1:48		x				Grab/		1		x x x												3	
DD2 (0-6")		7/14/2023		1:51		x				Grab/		1		x x x												4	
DD2 (1-1.5')		7/14/2023		1:54		x				Grab/		1		x x x												5	
DD2 (2-2.5')		7/14/2023		1:57		x				Grab/		1		x x x												6	
DD3 (0-6")		7/14/2023		2:00		x				Grab/		1		x x x												7	
DD3 (1-1.5')		7/14/2023		2:03		x				Grab/		1		x x x												8	
DD3 (2-2.5')		7/14/2023		2:06		x				Grab/		1		x x x												9	
DD4 (0-6")		7/13/2023		11:30		x				Grab/		1		x x x												10	

 Additional Comments: Bill to NTGE / Email result to NTGE email chain

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>Michelle Gayzale</u>	<u>7-18-23 1530</u>	<u>Michelle Gayzale</u>	<u>Andrew Moss</u>	<u>7-18-23 1730</u>
<u>[Signature]</u>	<u>Carth Man</u>	<u>7-18-23 1730</u>			
		<u>7/18/23 7:45</u>			





## Chain of Custody

Work Order No: E307089  
Job# 21104-0001

Page 2 of 2





Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd NTGE
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	Brownfield	R	Super
State of Project:					
Reporting:	Level	Level	PST/UT	TR	Le
Deliverables:	EDD	ADAPT	Other:		

[illegible]

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

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
1			7-18-23	530	2			7-18-23	173		
3	Mckenzie Mcdon	Cathy Mann	7-18-23	2:50	4						
5			7-18-23	7:45	6						

## Envirotech Analytical Laboratory

Printed: 7/20/2023 10:51:50AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	NTG-New Tech Global Environmental	Date Received:	07/19/23 07:45	Work Order ID:	E307089
Phone:	(281) 872-9300	Date Logged In:	07/19/23 08:52	Logged In By:	Caitlin Mars
Email:	bhaskell@ntglobal.com	Due Date:	07/25/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

SRC Email not sent to client per client request.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.





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

August 10, 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 08/04/23 11:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	08/04/2023	Sampling Date:	08/04/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	** (See Notes)
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: CS - 185A 5' (H234164-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	6.03	
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20	
Total BTX	<0.300	0.300	08/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/08/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	22.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 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:	08/04/2023	Sampling Date:	08/04/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	** (See Notes)
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

**Sample ID: SW - 111 4-5' (H234164-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	101	2.00	6.03		
Toluene*	<0.050	0.050	08/10/2023	ND	1.92	95.9	2.00	6.61		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.96	97.8	2.00	5.77		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.80	96.7	6.00	6.20		
Total BTEx	<0.300	0.300	08/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NEW DECH Global Environmental</b> Project Manager: <b>Berley Haskell</b> Address: <b>701 Tradecore Blvd</b> City: <b>Midland</b> State: <b>TX</b> Zip: <b>79701</b> Phone #: <b>432-766-1418</b> Fax #: Project #: <b>237274</b> Project Owner: <b>Permian Res.</b> Project Name: <b>Sheba # 3</b> Project Location: <b>Lea Co, NM</b> Sampler Name: <b>Kenny Han</b>				<b>BILL TO</b> P.O. #: <b>35000</b> Company: <b>Permian Resources</b> Attn: <b>Montgomery Floyd</b> Address: <b>NTG</b> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>ANALYSIS REQUEST</b>															
FOR LAB USE ONLY		Lab I.D.  <b>H234164</b>  <b>*</b>		Sample I.D.  <b>CS-185A 5'</b> <b>Sw-11Q 4-5</b>		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER <b>C 1 1 X X</b> <b>C 1 1 X</b>		PRESERV. ACID/BASE: ICE / COOL OTHER: <b>DATE 8/4/23 TIME 9:50</b> <b>↓ 9:53</b>		SAMPLING <b>BTEX</b> <b>Chloride</b> <b>TPH</b> <b>↓ ↓ ↓</b>											
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons, or otherwise.</small>																					
Relinquished By: <b>[Signature]</b> Date: <b>8/4/2023</b> Time: <b>1148</b> Relinquished By: _____ Date: _____ Time: _____				Received By: <b>[Signature]</b> Date: _____ Time: _____				Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: <b>Cooler Temp blanks 2.4°C</b> <b>* Customer requested Id Change.</b> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> 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 #140 Correction Factor 0°C													
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C <b>9.0</b> Corrected Temp. °C				Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				CHECKED BY: (Initials) <b>[Signature]</b>									

FORM-000-R-3-4 07/1/23

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 266480

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 266480
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	1/17/2024