

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: montgomery.floyd@permianres.com	Incident #
Contact mailing address: 300 N Marienfeld St. Suite 1000 Midland, Tx. 79701	

Location of Release Source

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

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

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

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 74	Volume Recovered (bbls) 51
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 118	Volume Recovered (bbls) 80
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

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

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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 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

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

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

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

Incident ID	nAPP2306851971
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.

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Printed Name: MONTGOMERY FLOYD Title: _____
 Signature:  Date: 6-15-23
 email: montgomery.floyd@permianres.com Telephone: 432 425 8321

OCD Only

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

Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 09/18/2023

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

Incident ID	nAPP2306851971
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Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

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Surface Owner: State Federal Tribal Private (Name: McViggin Livestock)

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State of New Mexico
Oil Conservation Division

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Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: _____ Date: 6/14/2023

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2306851971
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Remediation Plan

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- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Montgomery Floyd Title: Environmental Manager

Signature: _____ Date: 6/14/2023

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

June 15, 2023

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

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

1. Introduction

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

2. Background

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

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

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

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

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

General Site Characterization and Groundwater: Table 3.1

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

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

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

4. Remedial Action Activities and Confirmation Sampling

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

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

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

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

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

5. nAPP2306851971 Remediation Plan

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

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

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

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

The Release Notification, Site Assessment/Characterization, and Remediation Plan portions of Form C-141 are attached to the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-766-1918.

Sincerely,

NTG Environmental



Becky Haskell
Senior Project Manager

Attachments:

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

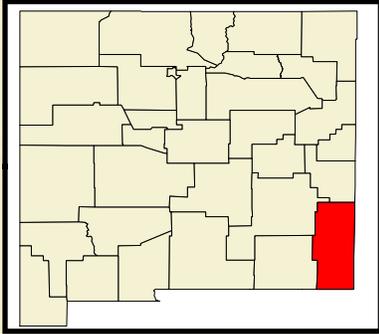
Mr. Mike Bratcher
June 15, 2023
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Appendix D: Laboratory Analytical Reports and Chain -of-Custody
Documentation

FIGURES



Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RS\236969 58077 Sheba Federal Com 305H #217 - Figures\GIS\Figure_1_Area Map_DH.mxd



LEGEND

★ Site Location

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

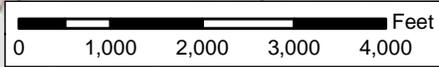
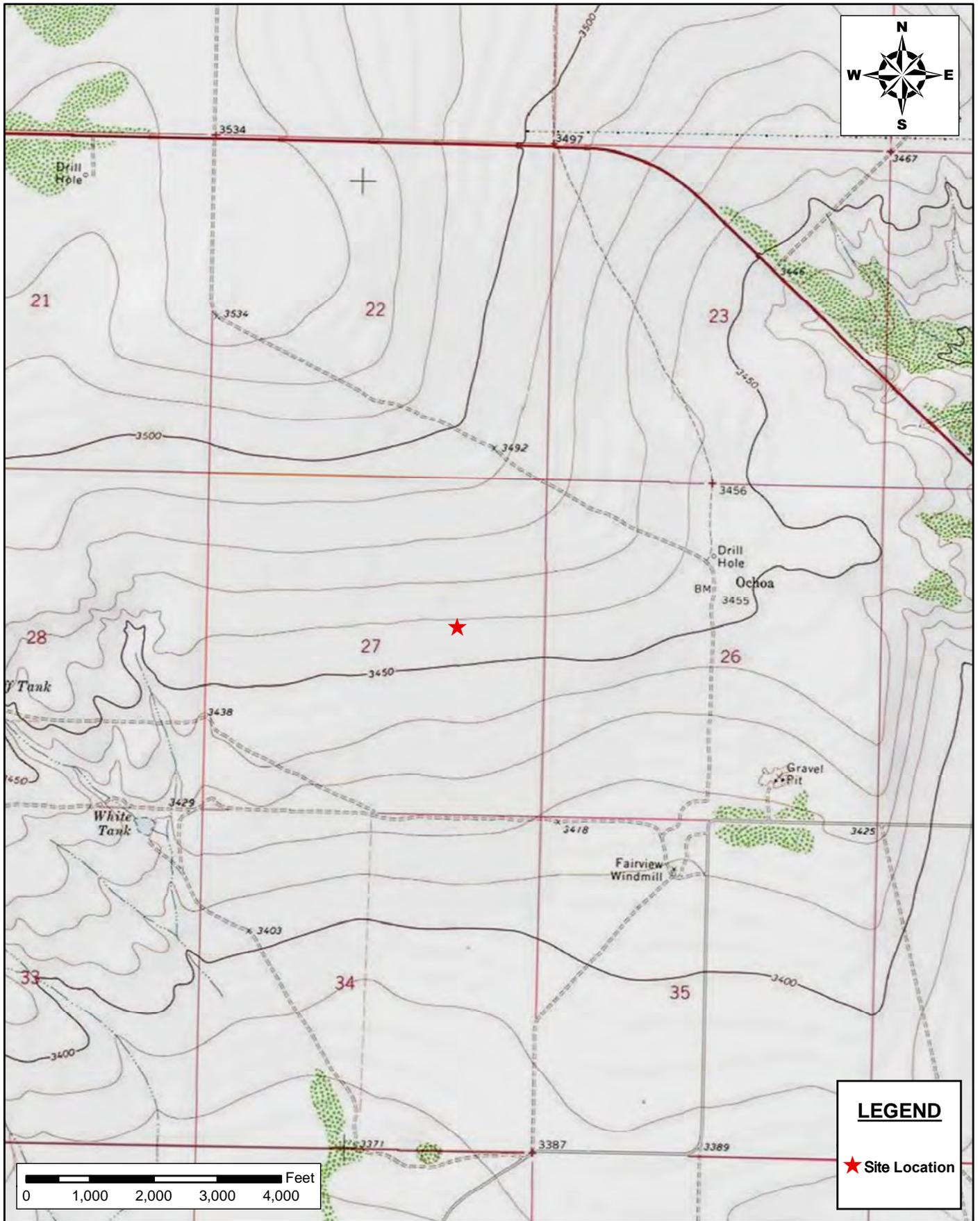
SCALE: As Shown DATE: 6/13/2023 PROJECT #: 237274

 **NTG**
 ENVIRONMENTAL
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

Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RSR\236969 58077 Sheba Federal Com 305H #27 - Figures\GIS\Figure_2_TM_DH.mxd



LEGEND

★ Site Location

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

SCALE: As Shown DATE: 6/13/2023 PROJECT #: 237274

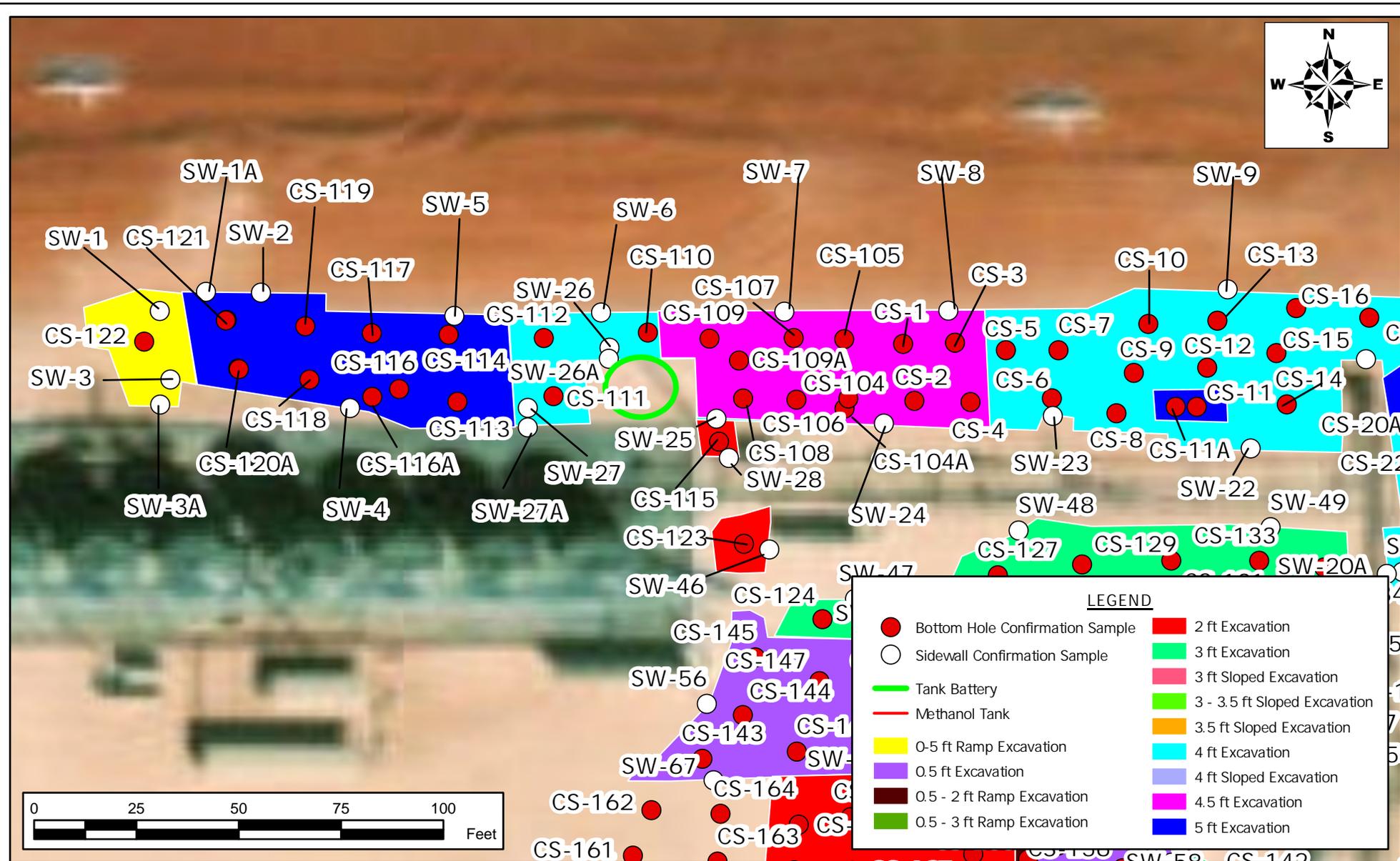
NTG
 ENVIRONMENTAL

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 2
 SHEET NUMBER:
1 of 1



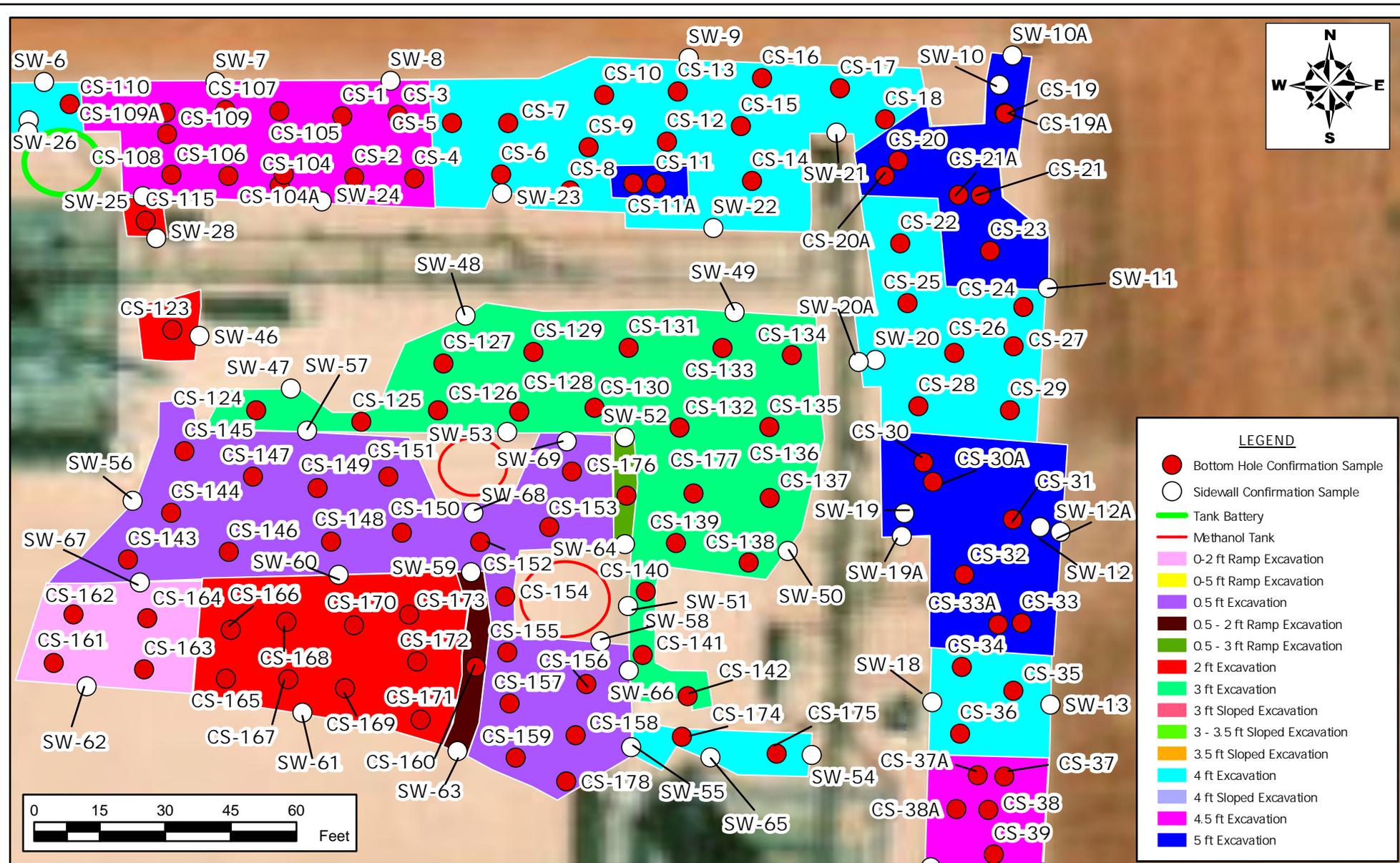
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1 of 4	SHEET NUMBER	DRAWING NUMBER: FIGURE 4	<p>CONFIRMATION SAMPLE MAP PERMIAN RESOURCES SHEBA FED COM 27 CTB LEA COUNTY, NEW MEXICO 32.197024, -103.458540</p>	<p>DATE: 06/15/2023</p>	<p>PROJECT #: 237274</p>
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<p>New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgglobal.com</p>	
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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 #37 - Figures\GIS\Geodatabase\Figure_4_ConfirmationSampleMap_2of4_06152023.aprx

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
2 of 4

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

SCALE: AS SHOWN

DATE: 06/15/2023

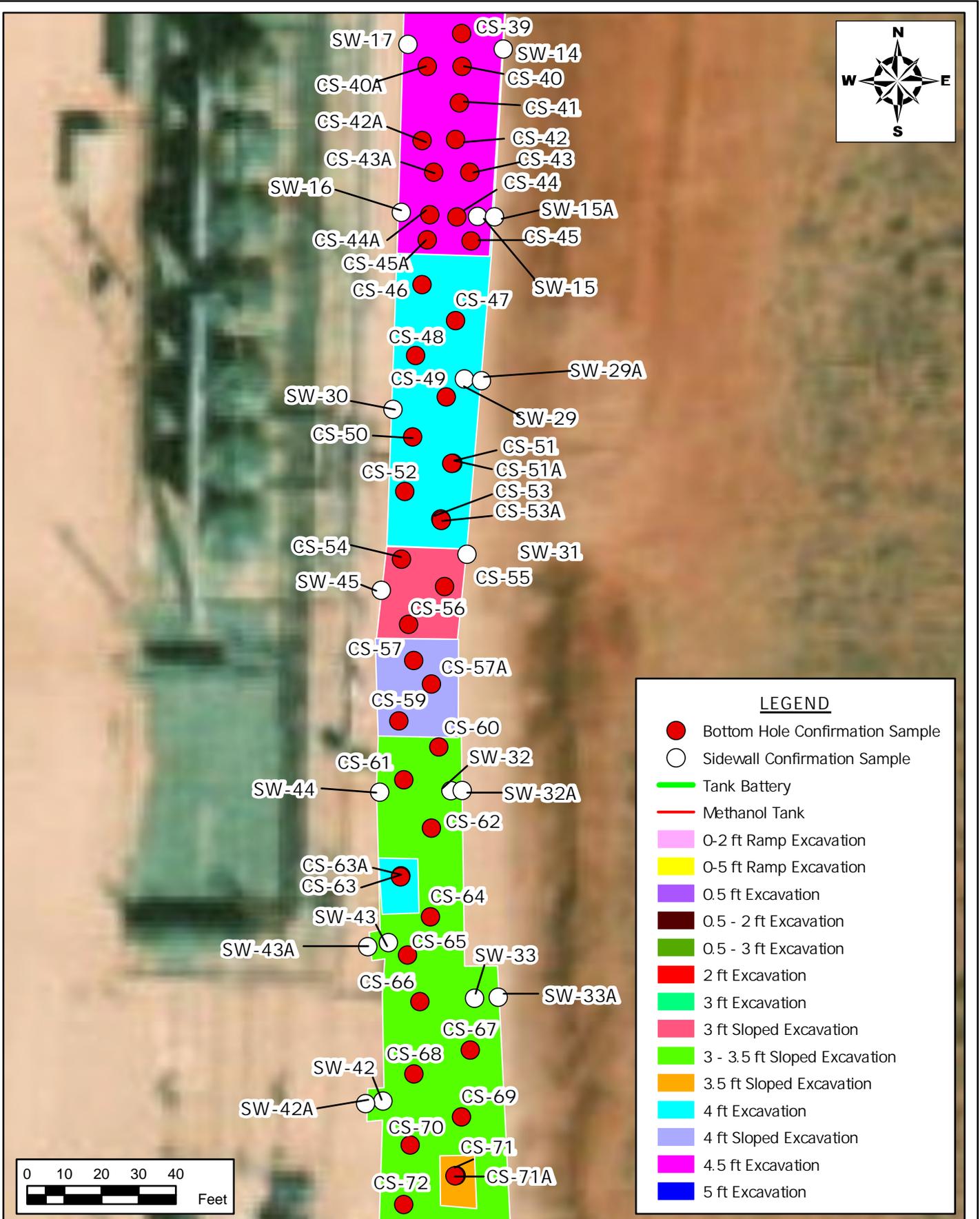
PROJECT #: 237274

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 Web: www.ntgglobal.com

NOTES:

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

Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RSC\237274 Sheba Federal Com 305H #37 - Figures\GIS\Geodatabase\Figure_4_ConfirmationSampleMap_3of4_06152023.aprx



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

SCALE: As Shown Date: 6/15/2023 PROJECT #: 237274

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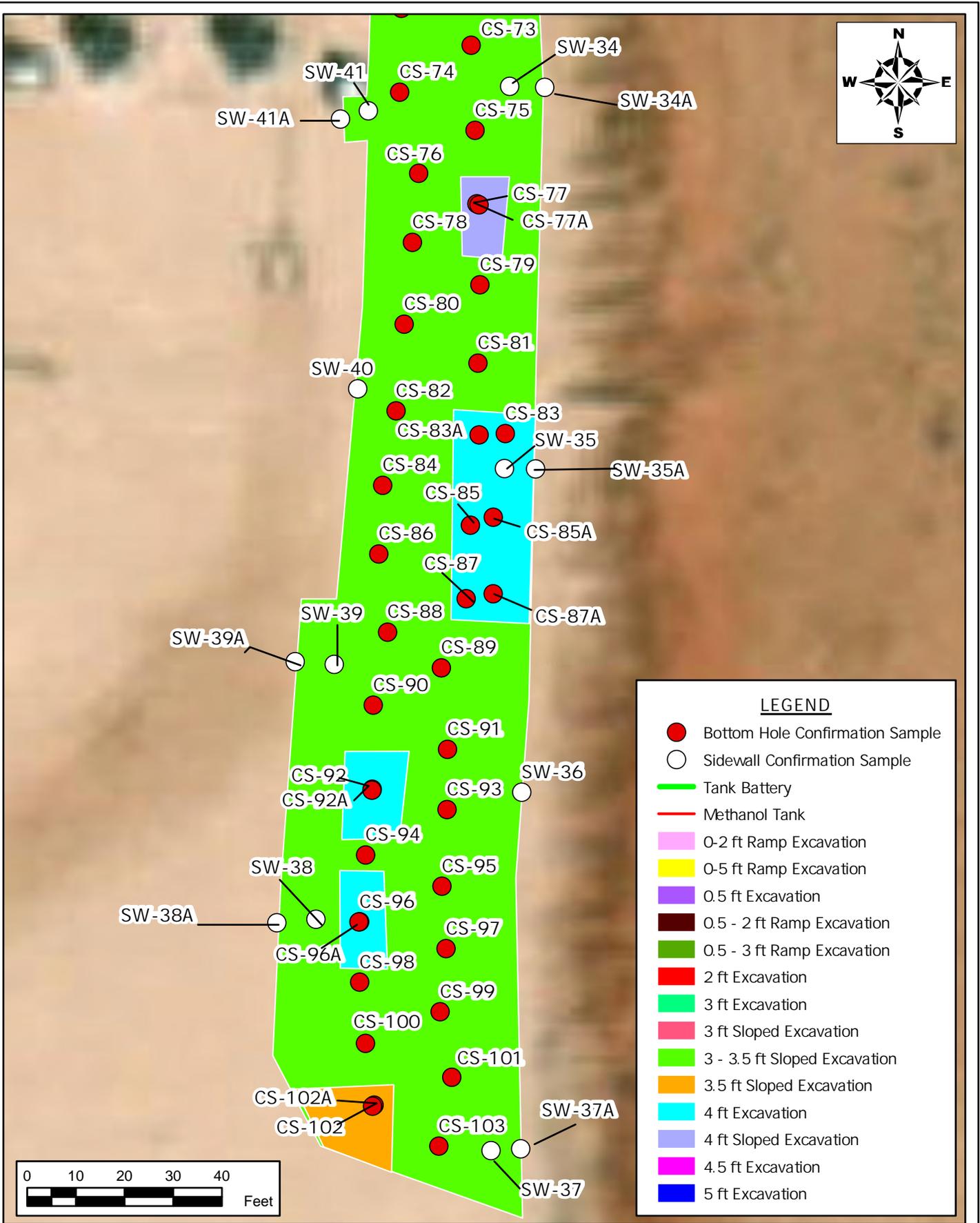
New Tech Global Environmental, LLC
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 Web: www.ntglobal.com

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

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
3 of 4

Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RSC\237274 Sheba Federal Com 305H #37 - Figures\GIS\Geodatabase\Figure_4_ConfirmationSampleMap_4of4_06152023.aprx



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

SCALE: As Shown Date: 6/15/2023 PROJECT #: 237274

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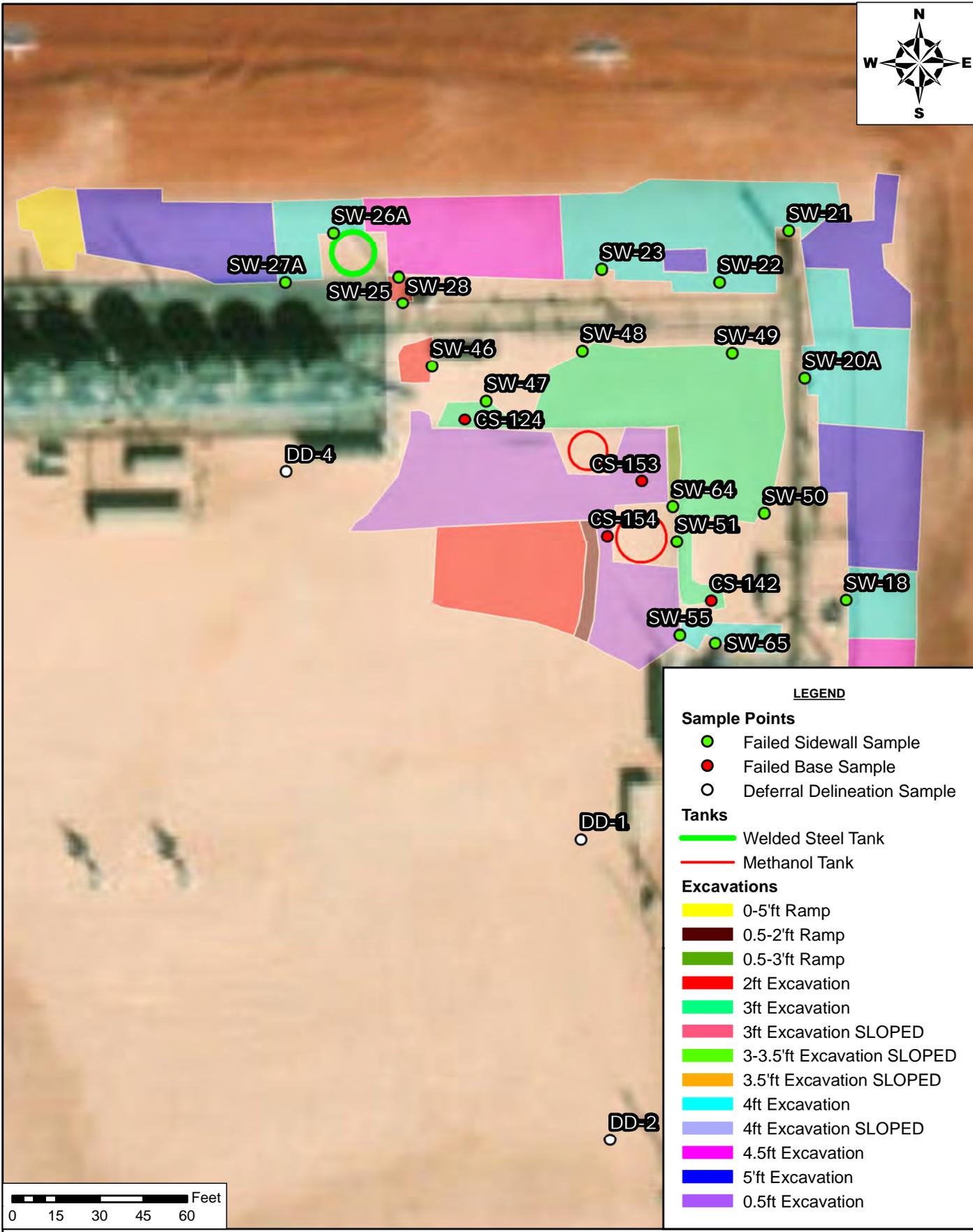
New Tech Global Environmental, LLC
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 Web: www.ntglobal.com

NOTES:

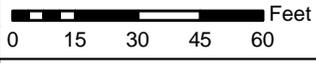
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 4

SHEET NUMBER:
4 of 4



Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\RS\237274 Sheba Federal Com 305H #317 - Figures\GIS\New Folder\FIGURE 4 DEFERRAL.mxd



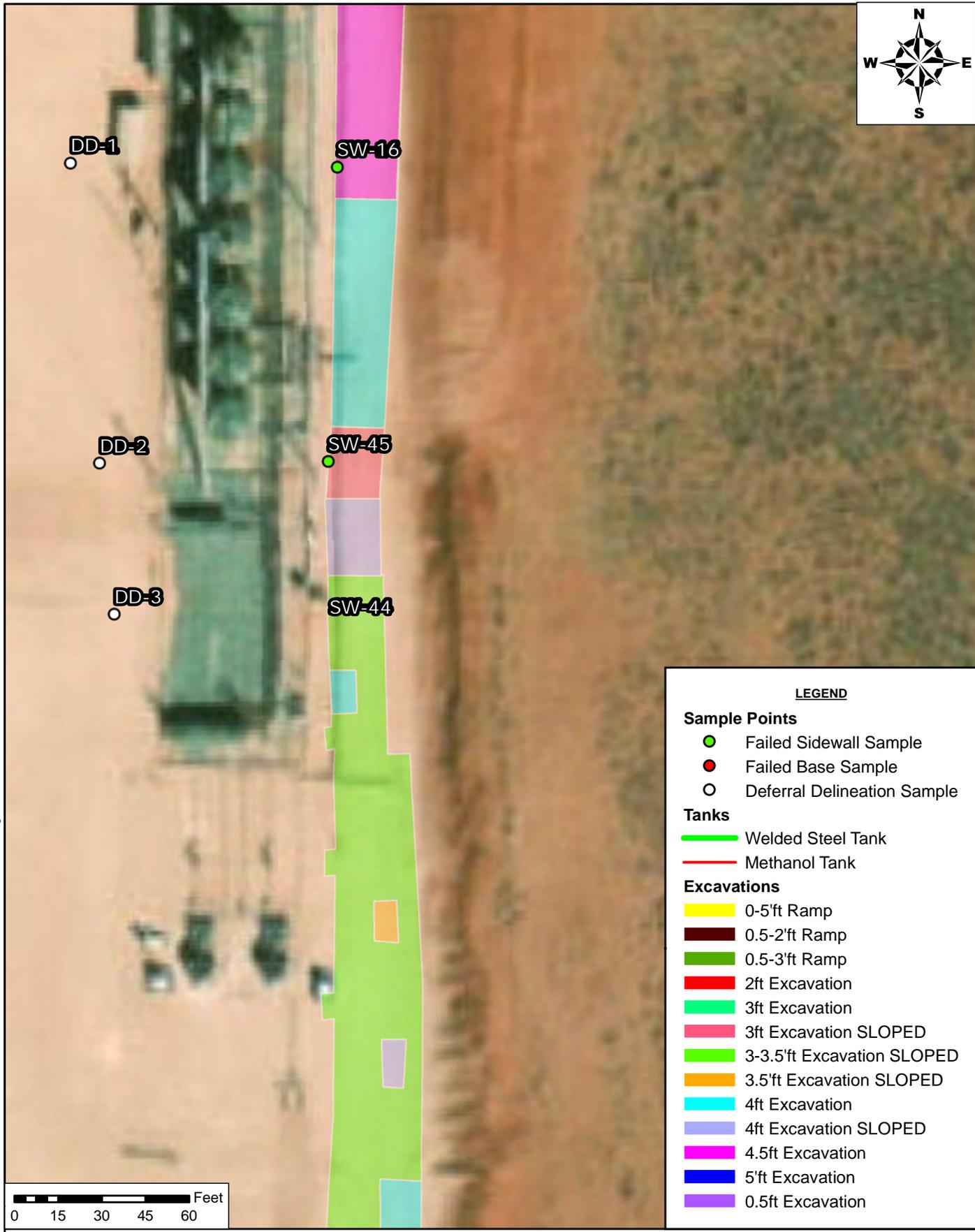
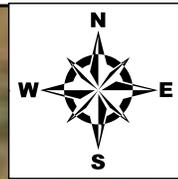
DEFERRAL SAMPLE MAP
 Sheba Fed Com 27 CTB
 Permian Resources
 Lea County, New Mexico
 32.191005, -103.452284

SCALE: As Shown Date: 6/14/2023 PROJECT #: 237274

NTG
 New Tech Global Environmental, LLC
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 Web: www.ntgenviromental.com

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

DRAWING NUMBER:
FIGURE 5
 SHEET NUMBER:
1 of 2



Document Path: P:\2023 PROJECTS\PERMIAN RESOURCES\IRSC\237274 Sheba Federal Com 305H #317 - Figures\GIS\New Folder\FIGURE 4 DEFERRAL.mxd



LEGEND

Sample Points

- Failed Sidewall Sample
- Failed Base Sample
- Deferral Delineation Sample

Tanks

- Welded Steel Tank
- Methanol Tank

Excavations

- 0-5'ft Ramp
- 0.5-2'ft Ramp
- 0.5-3'ft Ramp
- 2ft Excavation
- 3ft Excavation
- 3ft Excavation SLOPED
- 3-3.5'ft Excavation SLOPED
- 3.5'ft Excavation SLOPED
- 4ft Excavation
- 4ft Excavation SLOPED
- 4.5ft Excavation
- 5'ft Excavation
- 0.5ft Excavation

DEFERRAL SAMPLE MAP
 Sheba Fed Com 27 CTB
 Permian Resources
 Lea County, New Mexico
 32.191005, -103.452284

SCALE: As Shown Date: 6/14/2023 PROJECT #: 237274

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 Environmental

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NOTES:

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

DRAWING NUMBER:
FIGURE 5

SHEET NUMBER:
2 of 2

TABLES



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	<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	<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	<10.0	32
CS-4	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.4	50.4	<10.0	50.4	160	
CS-5	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-6	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.8	32.8	<10.0	32.8	96	
CS-7	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-8	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-9	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80	
CS-10	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.8	12.8	<10.0	12.8	256	
CS-11	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	580	580	111	691	1,630	
CS-11A	5/16/2023	5'	<0.050	0.053	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-12	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-13	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-14	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.9	56.9	<10.0	56.9	240	
CS-15	4/26/2023	4'	<0.050	0.165	0.094	0.364	0.622	<10.0	23.4	23.4	<10.0	23.4	208	
CS-16	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.5	27.5	<10.0	27.5	128	
CS-17	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	
CS-18	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-19	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	81.6	81.6	30.0	112	384	
CS-19A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
CS-20	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,930	1,930	367	2,297	1,920	
CS-20A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	224	
CS-21	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	552	552	119	671	880	
CS-21A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
CS-22	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.1	56.1	15.7	71.8	352	
CS-23	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.6	16.6	<10.0	16.6	128	
CS-24	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	61.9	61.9	<10.0	61.9	272	
CS-25	4/26/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-26	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.7	42.7	<10.0	42.7	320	
CS-27	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
CS-28	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
CS-29	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-30	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040	
CS-30A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.0	11.0	<10.0	11.0	448	
CS-31	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
CS-32	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.5	27.5	<10.0	27.5	144	
CS-33	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	125	125	26	151	304	
CS-33A	5/16/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
CS-34	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
CS-35	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.2	26.2	<10.0	26.2	240	

Table 1
Summary of Soil Analytical Data - Confirmation Samples
Sheba Federal Com 305H #3
Permian Resources
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC													
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-36	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-37	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	371	371	94.7	466	1,360
CS-37A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-38	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	191	191	52.9	244	752
CS-38A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-39	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-40	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	230	230	46.5	277	1,040
CS-40A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.1	19.1	<10.0	19.1	96
CS-41	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.2	52.2	<10.0	52.2	384
CS-42	4/27/2023	4'	<0.050	<0.050	0.076	0.564	0.640	17.3	986	1,003	163	1,166	3,080
CS-42A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.6	15.6	<10.0	15.6	112
CS-43	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	419	419	74.8	494	2,480
CS-43A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-44	4/27/2023	4'	<0.050	<0.050	0.052	0.415	0.467	13.8	743	757	131	888	3,760
CS-44A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.7	59.7	<10.0	59.7	144
CS-45	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.4	27.4	10.6	38.0	256
CS-46	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-47	4/27/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-48	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-49	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	72.6	72.6	17.4	90.0	336
CS-50	4/27/2023	3'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-51	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	100	100	24.4	124	704
CS-51A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-52	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-53	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	781	781	154	935	4,000
CS-53A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-54	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-55	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.5	75.5	15.4	90.9	400
CS-56	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-57	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.7	86.7	18.2	105	768
CS-57A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-59	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.1	15.1	<10.0	15.1	288
CS-60	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.6	17.6	<10.0	17.6	112
CS-61	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.8	37.8	<10.0	37.8	368
CS-62	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	10.1	21	80
CS-63	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	140	140	50.8	191	560
CS-63A	5/16/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-64	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	11.7	<10.0	11.7	48
CS-65	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	16
CS-66	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.2	32.2	14.5	46.7	384
CS-67	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.2	13.2	<10.0	13.2	96
CS-68	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.7	17.7	11.5	29.2	192

Table 1
Summary of Soil Analytical Data - Confirmation Samples
Sheba Federal Com 305H #3
Permian Resources
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(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-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
CS-71	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	10.6	174	185	27.9	223	80
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
CS-77	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	103	103	22.6	126	704
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
CS-83	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	313	313	61.2	374	304
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
CS-85	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	255	255	60.3	315	592
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
CS-87	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.0	86.0	<10.0	86.0	992
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
CS-92	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
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
CS-96	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	195	195	40.9	236	1,230
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
CS-102	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	147	147	11.5	159	496
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

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-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)	
								Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC					
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
CS-103	4/27/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.6	46.6	<10.0	46.6	96
CS-104	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	160.0	160.0	27.7	187.7	544
CS-104A	5/16/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-105	4/28/2023	4'	<0.050	0.066	0.060	0.151	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-106	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-107	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-108	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-109	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	150	150	21.8	172	560
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
CS-116	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	169	169	25.4	194	448
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
CS-120	4/28/2023	4'	<0.050	1.55	1.41	5.89	8.85	78.9	1,270	1,349	166	1,515	512
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
CS-121	4/28/2023	4'	4.88	169	96.8	329	602	2,530	4,080	6,610	455	7,065	48
CS-121A	5/16/2023	5'	<0.050	0.112	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-122	4/28/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.2	37.2	<10.0	37.2	64
CS-123	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.5	37.5	<10.0	37.5	304
CS-124	5/11/2023	3'	<0.050	0.063	<0.050	<0.150	<0.300	<10.0	401	401	<10.0	401	1,170
CS-125	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-126	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-127	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24	24	<10.0	24	96
CS-128	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-129	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-130	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-131	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-132	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-133	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-134	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-135	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-136	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-137	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.2	26.2	<10.0	26.2	48
CS-138	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-139	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.3	18.3	<10.0	18.3	44

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Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C36)	Total GRO/DRO/MRO (C6-C35)	
								(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC													
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-140	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-141	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-142	5/11/2023	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	390	390	53.3	443.3	2,760
CS-143	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-144	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-145	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-146	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.4	10.4	<10.0	10.4	128
CS-147	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-148	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-149	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-150	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.9	20.9	<10.0	20.9	240
CS-151	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-152	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-153	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	90.3	90.3	12.7	103	192
CS-154	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	717	717	115	832	448
CS-155	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-156	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-157	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	12.6	<10.0	<10.0	80
CS-158	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-159	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-160	5/11/2023	6"-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-161	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-162	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	12.6	<10.0	12.6	160
CS-163	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-164	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-165	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-166	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-167	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-168	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-169	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-170	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-171	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-172	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-173	5/11/2023	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-174	5/11/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-175	5/11/2023	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-176	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-177	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.1	29.1	<10.0	29.1	32
CS-178	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
Sidewall Confirmation Samples													
SW-1	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	132	26.0	158	160
SW-1A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64

Table 1
Summary of Soil Analytical Data - Confirmation Samples
Sheba Federal Com 305H #3
Permian Resources
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride			
			(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-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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<10.0	48		
SW-16	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,230	1,230	251	1,481	5,520			
SW-17	4/28/2023	(0-4')	<0.050	0.063	<0.050	<0.150	<0.300	<10.0	54.5	54.5	28.9	83.4	400			
SW-18	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	985	985	241	1,226	4,240			
SW-19	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	203	203	64.3	267.3	1,090			
SW-19A	5/16/2023	(0-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.4	20.4	<10.0	20.4	256			
SW-20	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.7	21.7	<10.0	21.7	688			
SW-20A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.7	35.7	<10.0	35.7	960			
SW-21	4/28/2023	(0-4')	<0.050	0.149	0.064	0.198	0.411	<10.0	1,010	1,010	236	1,246	3,520			
SW-22	4/28/2023	(0-4')	<0.050	0.384	0.222	1.17	1.78	43.3	2,050	2,093	331	2,424	1,440			
SW-23	4/28/2023	(0-4')	0.162	6.29	4.35	16.3	27.1	259	998	1,257	169	1,426	2,240			
SW-24	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.6	23.6	17.6	41.2	64			
SW-25	4/28/2023	(2'-4')	<0.050	0.141	0.115	0.448	0.704	<10.0	1,180	1,180	553	1,733	2,120			
SW-26	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	233	233	54.7	287.7	1,070			
SW-26A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64		
SW-27	4/28/2023	(0-4')	0.054	0.502	0.183	0.644	1.38	13.9	1,730	1,744	356	2,100	10,200			
SW-27A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.9	26.9	<10.0	26.9	864			
SW-28	4/28/2023	(0-2')	<0.050	0.879	0.412	1.25	2.54	28	1,280	1,308	1,050	2,358	16,800			
SW-29	4/28/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.8	50.8	94.3	145.1	224			
SW-29A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<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			

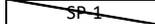
Table 1
Summary of Soil Analytical Data - Confirmation Samples
Sheba Federal Com 305H #3
Permian Resources
Lea County, New Mexico

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-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	358	2,158	3,480
SW-35A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-36	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	29.2	29.2	80
SW-37	4/28/2023	(0-3')	<0.050	<0.050	<0.050	0.412	0.412	38.4	3,310	3,348	631	3,979	3,280
SW-37A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-38	4/28/2023	(0-3')	<0.050	<0.050	0.206	1.4	1.6	43	3,400	3,443	687	4,130	2,400
SW-38A	5/16/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-39	4/28/2023	(0-3')	<0.050	0.053	0.326	2.09	2.47	66.6	3800	3867	810	4,677	2,400
SW-39A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-40	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	15.7	<10.0	15.7	112
SW-41	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	156	156	28.4	184	128
SW-41A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.9	18.9	<10.0	18.9	64
SW-42	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	539	539	129	668	688
SW-42A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-43	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	134	134	36	170	240
SW-43A	5/16/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-44	4/28/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1200	1200	212	1,412	4,880
SW-45	4/28/2023	(0-3')	<0.050	0.062	0.08	0.429	0.571	<10.0	495	495	109	604	3,840
SW-46	5/11/2023	(0-2')	<0.050	1.42	0.91	3.64	5.97	14.8	152	166	39.6	206.4	3,280
SW-47	5/11/2023	(0-3')	0.422	17.9	11.4	43.4	73.2	147	639	786	79.5	865.5	192
SW-48	5/11/2023	(0-3')	0.159	5.49	3.78	15.4	24.9	38.3	277	315.3	42.3	357.6	4,680
SW-49	5/11/2023	(0-3')	<0.050	0.062	<0.050	0.229	<0.300	<10.0	22.7	22.7	<10.0	22.7	6,000
SW-50	5/11/2023	(0-3')	<0.050	0.114	<0.050	0.252	0.366	<10.0	567	567	173	740	4,800
SW-51	5/11/2023	(0-3')	<0.050	0.133	0.138	0.63	0.902	<10.0	25.9	25.9	<10.0	25.9	4,480
SW-52	5/11/2023	(1-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-53	5/11/2023	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.5	13.5	<10.0	13.5	80
SW-54	5/11/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-55	5/11/2023	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
SW-56	5/11/2023	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-57	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-58	5/11/2023	6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.9	12.9	<10.0	12.9	160
SW-59	5/11/2023	6"-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
SW-60	5/11/2023	6"-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.9	18.9	<10.0	18.9	112
SW-61	5/11/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-62	5/11/2023	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-63	5/11/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-64	5/11/2023	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.8	36.8	<10.0	36.8	720
SW-65	5/11/2023	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
SW-66	5/11/2023	6"-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80

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Summary of Soil Analytical Data - Confirmation Samples
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Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)	
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C36) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)		
								Table I Closure Criteria for Soil <50 feet Depth to Groundwater 19.15.29 NMAC						
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg	
SW-67	5/11/2023	6"-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<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	<10.0	48

Notes:

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

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

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

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

- 9. --- Not Analyzed

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



Site Characterization

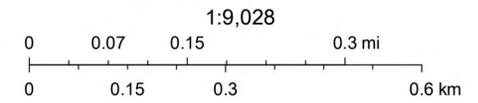
Released to Imaging: 9/18/2023 12:48:57 PM

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



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

- | | | | |
|------------|----------------------------|------------------------------|-----------------------|
| OSE PODs | ● Changed Location of Well | ● Unknown | □ PLSS First Division |
| ● Active | ● Capped | ■ Karst Occurrence Potential | |
| ● Inactive | ● Plugged | ■ Low | |
| ● Pending | | □ PLSS Second Division | |



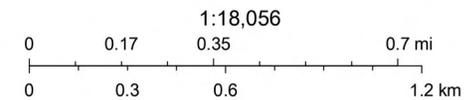
BLM, OCD, New Mexico Tech, OSE GIS, USGS, Esri, HERE, Garmin, iPC, Maxar, NM OSE, BLM

OSE POD Locations Map



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

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



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

Sheba Federal 305 Battery

Karst Potential Map

Legend

-  High
-  Low
-  Medium
-  Sheba Federal 305 Battery



 Sheba Federal 305 Battery

Google Earth

Image © 2023 CNES / Airbus

Image © 2023 Maxar Technologies



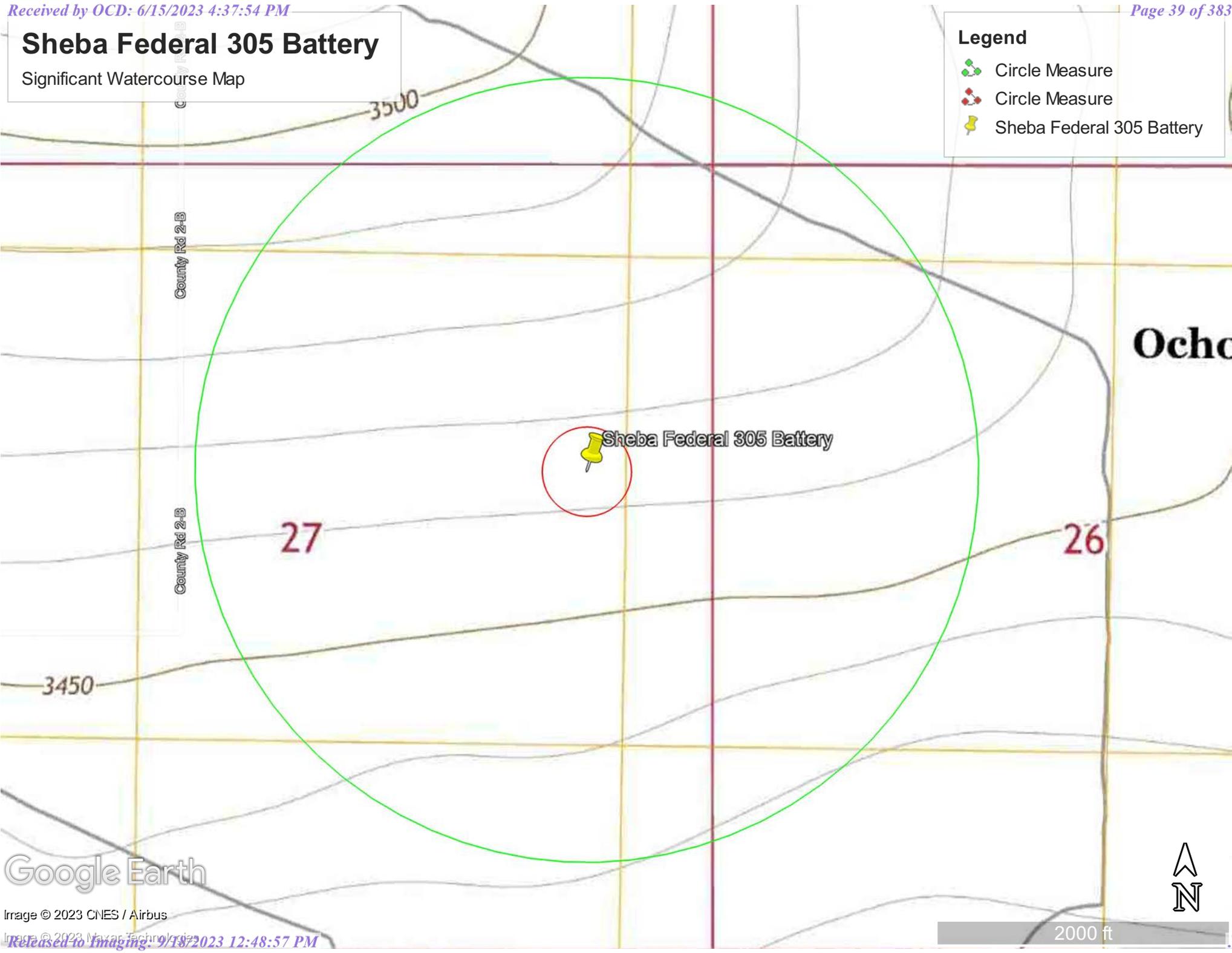
A north arrow pointing upwards and a scale bar labeled '4000 ft' are located in the bottom right corner of the map.

Sheba Federal 305 Battery

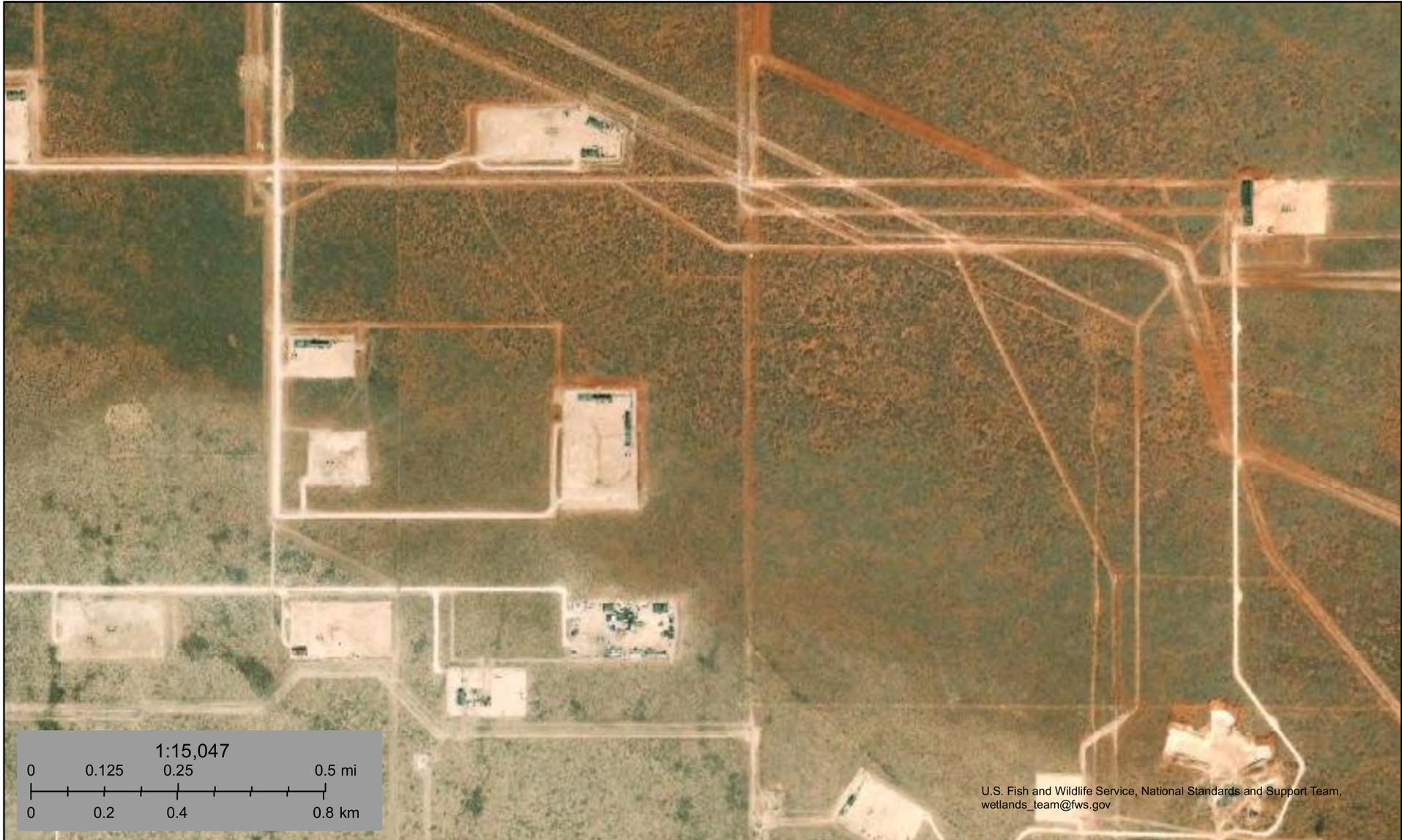
Significant Watercourse Map

Legend

-  Circle Measure
-  Circle Measure
-  Sheba Federal 305 Battery



Google Earth



U.S. Fish and Wildlife Service, National Standards and Support Team,
wetlands_team@fws.gov

February 10, 2023

Wetlands

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

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

National Flood Hazard Layer FIRMMette



3°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) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone Z</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone X</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation 20.2 17.5
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **2/10/2023 at 2:00 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

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

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

Page 41 of 383

ATTACHMENT B: CONFIRMATION SAMPLING NOTIFICATIONS



Becky Haskell

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

Good afternoon,

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

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

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

Thank You,

Becky Haskell

Senior Project Manager | **NTG Environmental**

M: 432-766-1918 | bhaskell@ntglobal.com

[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
[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, CSHO²
Project Scientist
(432) 556-2006
Rbaer@ntglobal.com



ATTACHMENT C: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

Permian Resources

Sheba Fed Com 27 CTB

Photograph No. 1

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.



Photograph No. 2

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.



Photograph No. 3

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.



PHOTOGRAPHIC LOG

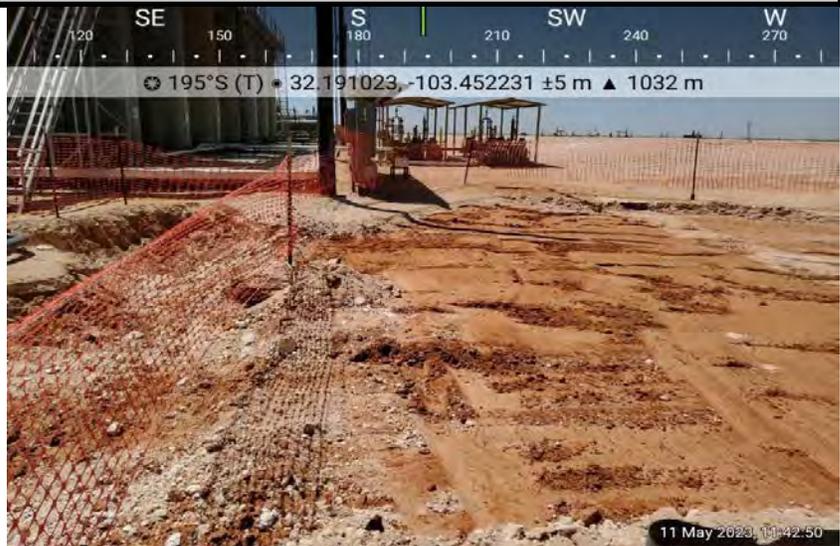
Permian Resources
Sheba Fed Com 27 CTB

Photograph No. 4

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.

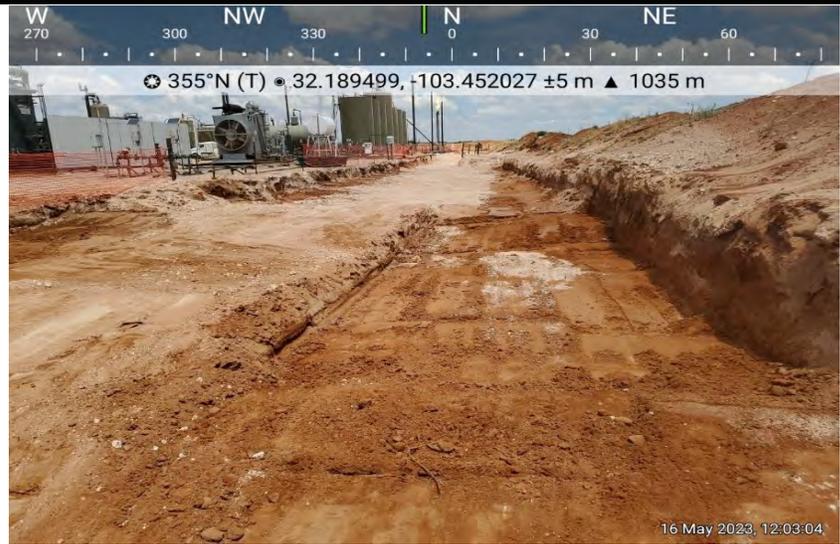


Photograph No. 5

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.

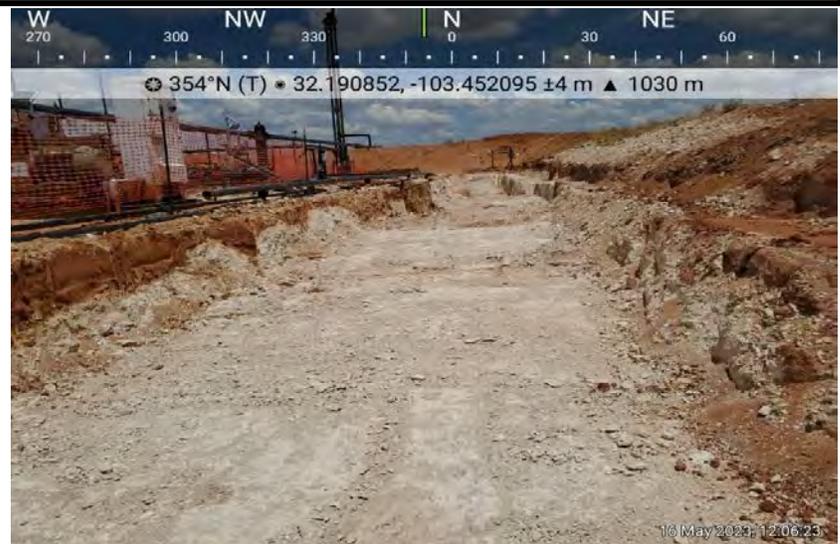


Photograph No. 6

Facility: Sheba Fed Com 27 CTB

County: Lea County, New Mexico

Description:
Area of excavation.



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





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

May 04, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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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

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 - 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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*=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 - 5 (4') (H232122-05)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 64.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	32.8	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 67.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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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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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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.3 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	12.8	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	580	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	111	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92	
DRO >C10-C28*	56.9	10.0	05/02/2023	ND	175	87.3	200	0.958	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 - 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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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, 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	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed 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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	183	91.7	200	5.92		
DRO >C10-C28*	1930	10.0	05/02/2023	ND	175	87.3	200	0.958		
EXT DRO >C28-C36	367	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

Chloride, 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)

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

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

Chloride, 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	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	16.6	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	61.9	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

Chloride, 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*	<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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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, 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	0.00		

TPH 8015M		mg/kg		Analyzed 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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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, 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	05/02/2023	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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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, 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	0.00		

TPH 8015M		mg/kg		Analyzed 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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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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	05/02/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08	
DRO >C10-C28*	371	10.0	05/02/2023	ND	169	84.7	200	1.49	
EXT DRO >C28-C36	94.7	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	191	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	52.9	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	05/02/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	179	89.5	200	1.08		
DRO >C10-C28*	230	10.0	05/02/2023	ND	169	84.7	200	1.49		
EXT DRO >C28-C36	46.5	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, 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	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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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, SM4500CI-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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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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Celey D. Keene, Lab Director/Quality 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 - 47 (4') (H232122-47)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

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

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

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 48 (3-4') (H232122-48)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/02/2023	ND	432	108	400	3.77		

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

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, 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	05/02/2023	ND	432	108	400	3.77		

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

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEX	<0.300	0.300	05/02/2023	ND					

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

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

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

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	05/02/2023	ND	432	108	400	3.77		

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

Surrogate: 1-Chlorooctane 60.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEX	<0.300	0.300	05/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/02/2023	ND	432	108	400	3.77	

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

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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

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

Surrogate: 1-Chlorooctane 73.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296		
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07		
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53		
Total BTEX	<0.300	0.300	05/02/2023	ND						

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

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

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

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.2 % 49.1-148

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Analytical Results For:

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

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

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

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/02/2023	ND	1.94	97.0	2.00	0.296	
Toluene*	<0.050	0.050	05/02/2023	ND	2.12	106	2.00	2.07	
Ethylbenzene*	<0.050	0.050	05/02/2023	ND	2.20	110	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/02/2023	ND	6.47	108	6.00	3.53	
Total BTEX	<0.300	0.300	05/02/2023	ND					

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

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

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

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	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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Analytical Results For:

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

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

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

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

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

Chloride, 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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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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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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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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	11.6	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/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, 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	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed 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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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, 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*	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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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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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, 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*	13.1	10.0	05/02/2023	ND	187	93.4	200	0.164		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, 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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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, 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	416	104	400	0.00	

TPH 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, 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*	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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/02/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595		
DRO >C10-C28*	14.2	10.0	05/02/2023	ND	187	93.4	200	0.164		
EXT DRO >C28-C36	10.1	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	10.6	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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, 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*	11.0	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, 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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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, 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	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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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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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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/02/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	171	85.5	200	0.595	
DRO >C10-C28*	69.7	10.0	05/02/2023	ND	187	93.4	200	0.164	
EXT DRO >C28-C36	26.1	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/02/2023	ND	416	104	400	0.00		

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

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

Chloride, 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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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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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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/02/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	194	97.2	200	0.631	
DRO >C10-C28*	255	10.0	05/02/2023	ND	185	92.3	200	0.498	
EXT DRO >C28-C36	60.3	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, 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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Analytical Results For:

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

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

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

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	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)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/02/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Analytical Results For:

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

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

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

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

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

Chloride, 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)

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

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/02/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 - 91 (3') (H232122-90)

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

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	05/02/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody



Work Order No: H232122

Page 1 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"/> 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											None: NO DI Water: H ₂ O			
Project Location:	Lea Co, New Mexico		Due Date:				BTEX 8021B TPH 8015M (GRO + DRO + MFO) Chloride 4500											Cool: Cool MeOH: Me		
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm					HOLD											HCL: HC HNO ₃ : HN	
PO #:	35000														H ₂ SO ₄ : H ₂ 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 ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113												NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6c												Na ₂ S ₂ O ₅ : NaSO ₃			
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-1 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-2 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-3 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-4 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-5 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-6 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-7 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-8 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-9 (4')	4/26/2023		x		Comp	1	x	x	x											
CS-10 (4')	4/26/2023		x		Comp	1	x	x	x											

Additional Comments:

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

Received by OCD: 6/15/2023 4:37:54 PM - C-6020

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

Chain of Custody



Work Order No: H232122

Page 4 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"/> Ld <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		Parameters											None: NO	DI Water: H ₂ O		
Project Location:	Lea Co, New Mexico		Due Date:				BTEX 8021B TPI 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					HOLD											HCL: HC	HNO ₃ : HN
PO #:	35000																		H ₂ SO ₄ : H ₂	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 ₃ PO ₄ : HP
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	113												NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:	-0.66												Na ₂ S ₂ O ₃ : NaSO ₃				
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-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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1	<i>[Signature]</i>	5/1/23 1531	2		
3			4		
5			6		

Chain of Custody



Work Order No: H232122

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

Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531			

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Work Order No: 423212

Page 6 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 checked="" 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:		Turn Around		ANALYSIS REQUEST										Preservative Codes						
Project Number:	237274	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code																
Project Location:	Lea Co, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD											None: NO	DI Water: H ₂ O
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm							Cool: Cool	MeOH: Me										
PO #:	35000								HCL: HC	HNO ₃ : HN										
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	H ₂ SO ₄ : H ₂	NaOH: Na								
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113		H ₃ PO ₄ : HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃													
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6		Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC														
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.2																	
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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<i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531			

Chain of Custody



Work Order No: H232122

Page 8 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"/> Brownfield <input type="checkbox"/> RI <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/UA <input type="checkbox"/> TR <input type="checkbox"/> Lead <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes							
Project Number:	Sheba #3	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ 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 ₃ : HN									
PO #:	35000													H ₂ SO ₄ : H ₂	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 ₃ PO ₄ : HP	Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:													NaHSO ₄ : NABIS									
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:													Na ₂ S ₂ O ₃ : NaSO ₃									
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 Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500													HOLD		
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
<i>[Signature]</i>	<i>[Signature]</i>	5/1/23 1531			

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

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

Chain of Custody



Work Order No: H232122

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:	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:		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 ₂ O		
Project Location:	Lea Co, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD									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 ₃ : HN		
PO #:	35000																H ₂ S0 ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	713														NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.62										Na ₂ S ₂ O ₃ : NaSO ₃							
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-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:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<i>Maura Oldaker</i>	5/23/23 1531			

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

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



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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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)

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

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

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

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

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 95 (3') (H232123-04)

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	05/03/2023	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) 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	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)

BTEX 8021B		mg/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) 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)

BTEX 8021B		mg/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) 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)

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

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

Chloride, 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	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



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 - 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, 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	05/03/2023	ND	416	104	400	3.77	

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

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/03/2023	ND	416	104	400	3.77		

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

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

BTEX 8021B		mg/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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	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, 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	05/03/2023	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



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: 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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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, 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	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, 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	05/03/2023	ND	400	100	400	3.92	

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

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

Chloride, 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	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, 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	05/03/2023	ND	400	100	400	3.92	

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

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

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

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

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

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

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

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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

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

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: CS - 117 (4') (H232123-26)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	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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Celey D. Keene, Lab Director/Quality 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 - 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, 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	164	82.0	200	1.61		
DRO >C10-C28*	34.5	10.0	05/02/2023	ND	184	92.2	200	3.46		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: CS - 120 (4') (H232123-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	1.55	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	1.41	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	5.89	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	8.85	0.300	05/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	05/03/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	78.9	10.0	05/03/2023	ND	164	82.0	200	1.61		
DRO >C10-C28*	1270	10.0	05/03/2023	ND	184	92.2	200	3.46		
EXT DRO >C28-C36	166	10.0	05/03/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: CS - 121 (4') (H232123-30)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.88	1.00	05/03/2023	ND	1.87	93.5	2.00	6.09	
Toluene*	169	1.00	05/03/2023	ND	1.91	95.5	2.00	4.69	
Ethylbenzene*	98.8	1.00	05/03/2023	ND	1.89	94.3	2.00	3.97	
Total Xylenes*	329	3.00	05/03/2023	ND	5.83	97.1	6.00	2.56	
Total BTEX	602	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
Chloride	48.0	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
GRO C6-C10*	2530	10.0	05/03/2023	ND	164	82.0	200	1.61	
DRO >C10-C28*	4080	10.0	05/03/2023	ND	184	92.2	200	3.46	
EXT DRO >C28-C36	455	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 269 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

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

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

Sample ID: CS - 122 (4') (H232123-31)

BTEX 8021B		mg/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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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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: SW - 5 (0-4') (H232123-36)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	ND						

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

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

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 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, 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 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: SW - 8 (0-4') (H232123-39)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	ND						

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

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

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99		
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10		
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: SW - 9 (0-4') (H232123-40)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09		
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97		
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56		
Total BTEX	<0.300	0.300	05/03/2023	ND						

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

Chloride, 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	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, 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	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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Celey D. Keene, Lab Director/Quality 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 - 14 (0-4') (H232123-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09	
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56	
Total BTEX	<0.300	0.300	05/03/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	<10.0	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: SW - 15 (0-4') (H232123-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.87	93.5	2.00	6.09	
Toluene*	<0.050	0.050	05/03/2023	ND	1.91	95.5	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.89	94.3	2.00	3.97	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.83	97.1	6.00	2.56	
Total BTEX	<0.300	0.300	05/03/2023	ND					

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

Chloride, 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	05/03/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	1230	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	251	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

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

Sample ID: SW - 17 (0-4') (H232123-48)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	0.063	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

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

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2023	ND	182	91.2	200	1.99	
DRO >C10-C28*	54.5	10.0	05/02/2023	ND	162	81.1	200	5.10	
EXT DRO >C28-C36	28.9	10.0	05/02/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 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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Celey D. Keene, Lab Director/Quality 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 - 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, 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	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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	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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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, 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	0.00	

TPH 8015M		mg/kg		Analyzed 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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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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	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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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

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

Sample ID: SW - 31 (0-3') (H232123-62)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.70	85.1	2.00	8.77	
Toluene*	<0.050	0.050	05/03/2023	ND	1.71	85.4	2.00	6.36	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	1.66	83.2	2.00	6.17	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	5.19	86.4	6.00	6.24	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, 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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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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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	
Toluene*	<0.050	0.050	05/04/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	<0.050	0.050	05/04/2023	ND	2.08	104	2.00	1.38	QM-07
Total Xylenes*	0.412	0.150	05/04/2023	ND	6.03	101	6.00	0.847	
Total BTEX	0.412	0.300	05/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.4	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	3310	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	631	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Analytical Results For:

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

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

Sample ID: SW - 38 (0-3') (H232123-69)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	0.206	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	1.40	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	1.60	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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*	43.0	10.0	05/03/2023	ND	224	112	200	0.364	
DRO >C10-C28*	3400	10.0	05/03/2023	ND	206	103	200	3.09	
EXT DRO >C28-C36	687	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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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, 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	05/03/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	15.7	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Analytical Results For:

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

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

Sample ID: SW - 41 (0-3') (H232123-72)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	<0.300	0.300	05/03/2023	ND					

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

Chloride, 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	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	156	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	28.4	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Analytical Results For:

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

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

Sample ID: SW - 42 (0-3') (H232123-73)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2023	ND	1.93	96.3	2.00	1.18	
Toluene*	<0.050	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	<0.050	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	<0.150	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	<0.300	0.300	05/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, 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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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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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, SM4500Cl-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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*=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:	04/28/2023
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*	0.062	0.050	05/03/2023	ND	1.95	97.6	2.00	1.76	
Ethylbenzene*	0.080	0.050	05/03/2023	ND	2.08	104	2.00	1.38	
Total Xylenes*	0.429	0.150	05/03/2023	ND	6.03	101	6.00	0.847	
Total BTEX	0.571	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	3840	16.0	05/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2023	ND	194	96.9	200	0.345	
DRO >C10-C28*	495	10.0	05/03/2023	ND	213	106	200	3.24	
EXT DRO >C28-C36	109	10.0	05/03/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody



Work Order No: H232123

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

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfile <input type="checkbox"/> RI <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"/> Lead <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other: _____

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	Sheba #3	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O				
Project Location:	Lea Co, New Mexico	Due Date:	TAT starts the day received by the lab, if received by 4:30pm																			
Sampler's Name:	Kenny Han	PO #:																				
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:																				
Total Containers:	166	Corrected Temperature:																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters												Sample Comments			
CS-92 (3')	4/27/2023		x		Comp	1	BTEX 8021B	x	x	x												
CS-93 (3')	4/27/2023		x		Comp	1	TPH 8015M (GRO + DRO + MRO)	x	x	x												
CS-94 (3')	4/27/2023		x		Comp	1	Chloride 4500	x	x	x												
CS-95 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-96 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-97 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-98 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-99 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-100 (3')	4/27/2023		x		Comp	1		x	x	x												
CS-101 (3')	4/27/2023		x		Comp	1		x	x	x												

Additional Comments:

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

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

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

Chain of Custody



Work Order No: 4232123

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

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

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	Sheba #3	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO	DI Water: H ₂ O				
Project Location:	Lea Co, New Mexico	Due Date:	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 ₃ : HN					
PO #:	35000															H ₂ SO ₄ : H ₂	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 ₃ PO ₄ : HP	HOLD		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113														NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C														Na ₂ S ₂ O ₃ : NaSO ₃					
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	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500													Sample Comments
11 CS-102 (3')	4/27/2023		x		Comp	1	x	x	x													
12 CS-103 (3')	4/27/2023		x		Comp	1	x	x	x													
13 CS-104 (4')	4/28/2023		x		Comp	1	x	x	x													
14 CS-105 (4')	4/28/2023		x		Comp	1	x	x	x													
15 CS-106 (4')	4/28/2023		x		Comp	1	x	x	x													
16 CS-107 (4')	4/28/2023		x		Comp	1	x	x	x													
17 CS-108 (4')	4/28/2023		x		Comp	1	x	x	x													
18 CS-109 (4')	4/28/2023		x		Comp	1	x	x	x													
19 CS-110 (4')	4/28/2023		x		Comp	1	x	x	x													
20 CS-111 (4')	4/28/2023		x		Comp	1	x	x	x													

Additional Comments:

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1 <i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		

Chain of Custody



Work Order No: 4232123

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

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

Project Name:	Sheba #3		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes				
Project Number:	237274		<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Parameters											None: NO	DI Water: H ₂ O		
Project Location:	Lea Co, New Mexico		Due Date:				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					HOLD											HCL: HC	HNO ₃ : HN
PO #:	35000														H ₂ S0 ₄ : H ₂	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 ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113												NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6e												Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.3e												Zn Acetate+NaOH: Zn					
Total Containers:	166		Corrected Temperature:	-5.9e												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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<i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531			

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Chain of Custody



Work Order No: H232123

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

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> Le <input type="checkbox"/>
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														
Project Location	Lea Co, New Mexico	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD										
Sampler's Name:	Kenny Han	TAT starts the day received by the lab, if received by 4:30pm																
PO #:	35000																	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113															
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6															
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												
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
<i>[Signature]</i>	<i>[Signature]</i>	5-1-23 1531			

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

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Chain of Custody



Work Order No: H232123

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

Work Order Comments	
Program:	UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> 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:

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 ₂ O			
Project Location:	Lea Co, New Mexico		Due Date:		BTEX 8021B												Cool: Cool	MeOH: Me			
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm			TPH 8015M (GRO + DRO + MRO)											HCL: HC	HNO ₃ : HN			
PO #:	35000				Chloride 4500												H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters											H ₃ PO ₄ : HP				
			Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											NaHSO ₄ : NABIS						
			Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											Na ₂ S ₂ O ₃ : NaSO ₃						
			Thermometer ID:	113											Zn Acetate+NaOH: Zn						
			Correction Factor:	-0.6c											NaOH+Ascorbic Acid: SAPC						
			Temperature Reading:	-5.3c											Sample Comments						
			Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>																	
			Total Containers:	166																	
			Corrected Temperature:	-5.9c																	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															
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
<i>[Signature]</i>	<i>[Signature]</i>	5-1-23 15:31			

Chain of Custody



Work Order No: A232123

Page 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											None: NO	DI Water: H ₂ O		
Project Location:	Lea Co, New Mexico		Due Date:				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					HOLD											HCL: HC	HNO ₃ : HN
PO #:	35000														H ₂ SO ₄ : H ₂	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 ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113												NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6												Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		-5.3												Zn Acetate+NaOH: Zn			
Total Containers:	166		Corrected Temperature:		-5.9												NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
SW-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			

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

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

Chain of Custody



Work Order No: A232123

Page 17 of 17

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

Work Order Comments	
Program:	UST/PS <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"/> ADaP <input type="checkbox"/> Other:

Project Name:		Turn Around		ANALYSIS REQUEST										Preservative Codes						
Project Number:		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code																
Project Location:		Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD	None: NO		DI Water: H ₂ O		Cool: Cool		MeOH: Me					
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm							HCL: HC		HNO ₃ : HN		H ₂ SO ₄ : H ₂		NaOH: Na		H ₃ PO ₄ : HP		NaHSO ₄ : NABIS	
PO #:									Na ₂ S ₂ O ₃ : NaSO ₃		Zn Acetate+NaOH: Zn		NaOH+Ascorbic Acid: SAPC							
SAMPLE RECEIPT		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>						Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:		Correction Factor:		Temperature Reading:		Corrected Temperature:			
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		113		-0.6c		-5.3c		-5.9c									
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (N/A)	Correction Factor:																	
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (N/A)	Temperature Reading:																	
Total Containers:		166		Corrected Temperature:																
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments	
71	SW-40 (0-3')	4/28/2023		x		Comp	1	x	x	x										
72	SW-41 (0-3')	4/28/2023		x		Comp	1	x	x	x										
73	SW-42 (0-3')	4/28/2023		x		Comp	1	x	x	x										
74	SW-43 (0-3')	4/28/2023		x		Comp	1	x	x	x										
75	SW-44 (0-3')	4/28/2023		x		Comp	1	x	x	x										
76	SW-45 (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
1	<i>[Signature]</i>	5-1-23 1531	2		
3			4		
5			6		



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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 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)

BTEX 8021B		mg/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, 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	
DRO >C10-C28*	401	100	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<100	100	05/13/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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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* = 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 - 126 3' (H232375-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23	
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 127 3' (H232375-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386		
DRO >C10-C28*	24.0	10.0	05/13/2023	ND	218	109	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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*=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 - 128 3' (H232375-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 129 3' (H232375-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	1.94	97.2	2.00	3.23		
Toluene*	<0.050	0.050	05/13/2023	ND	2.04	102	2.00	1.53		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.09	105	2.00	4.28		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.12	102	6.00	3.98		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, 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 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 132 3' (H232375-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 133 3' (H232375-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	231	116	200	0.386	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	218	109	200	1.24	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 136 3' (H232375-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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



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 - 137 3' (H232375-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	213	107	200	1.29	
DRO >C10-C28*	26.2	10.0	05/12/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 138 3' (H232375-16)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 141 3' (H232375-19)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, 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	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 142 3' (H232375-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	390	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	53.3	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 143 0.5' (H232375-21)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, 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*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 144 0.5' (H232375-22)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 145 0.5' (H232375-23)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 - 146 0.5' (H232375-24)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27	
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	10.4	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 147 0.5' (H232375-25)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 148 0.5' (H232375-26)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, 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	213	107	200	1.29		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 149 0.5' (H232375-27)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, 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	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, 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*	20.9	10.0	05/13/2023	ND	201	100	200	2.23		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 151 0.5' (H232375-29)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.01	101	2.00	2.27		
Toluene*	<0.050	0.050	05/13/2023	ND	2.07	103	2.00	2.84		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.13	107	2.00	7.91		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.32	105	6.00	4.56		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/15/2023	ND	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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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, 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	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, 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	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



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 - 154 0.5' (H232375-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	213	107	200	1.29	
DRO >C10-C28*	717	10.0	05/13/2023	ND	201	100	200	2.23	
EXT DRO >C28-C36	115	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 155 0.5' (H232375-33)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, 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	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)

BTEX 8021B		mg/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	64.0	16.0	05/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 157 0.5' (H232375-35)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, 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	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)

BTEX 8021B		mg/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	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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/15/2023	ND	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, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81		
DRO >C10-C28*	12.6	10.0	05/13/2023	ND	201	101	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 163 2' (H232375-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73	
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 164 2' (H232375-42)

BTEX 8021B		mg/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 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 165 2' (H232375-43)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/13/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/13/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 166 2' (H232375-44)

BTEX 8021B		mg/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	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)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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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Celey D. Keene, Lab Director/Quality 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 - 170 2' (H232375-48)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/14/2023	ND						

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

Chloride, 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 86.5 % 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:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 171 2' (H232375-49)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/14/2023	ND	2.17	109	2.00	9.73		
Toluene*	<0.050	0.050	05/14/2023	ND	2.18	109	2.00	10.5		
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.14	107	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.49	108	6.00	10.9		
Total BTEX	<0.300	0.300	05/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81		
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15		
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND						

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 172 2' (H232375-50)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 173 2' (H232375-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 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, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	204	102	200	2.81	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	201	101	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 46 0-2' (H232375-57)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	1.42	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	0.910	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	3.64	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	5.97	0.300	05/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3280	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.8	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	152	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	39.6	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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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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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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	
DRO >C10-C28*	22.7	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	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 51 0-3' (H232375-62)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	0.133	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	0.138	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	0.630	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	0.902	0.300	05/14/2023	ND					

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

Chloride, 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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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 52 1-3' (H232375-63)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 53 0-3' (H232375-64)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, 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*	13.5	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 54 0-4' (H232375-65)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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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 - 55 0-4' (H232375-66)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 58 0-0.5' (H232375-69)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/14/2023	ND	2.22	111	2.00	15.2	
Toluene*	<0.050	0.050	05/14/2023	ND	2.19	110	2.00	16.0	
Ethylbenzene*	<0.050	0.050	05/14/2023	ND	2.16	108	2.00	16.2	
Total Xylenes*	<0.150	0.150	05/14/2023	ND	6.53	109	6.00	16.1	
Total BTEX	<0.300	0.300	05/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	12.9	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 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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Celey D. Keene, Lab Director/Quality 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 - 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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Celey D. Keene, Lab Director/Quality 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 - 62 0-2' (H232375-73)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/13/2023	ND	184	92.1	200	1.06	
DRO >C10-C28*	<10.0	10.0	05/13/2023	ND	202	101	200	0.745	
EXT DRO >C28-C36	<10.0	10.0	05/13/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 63 0-1' (H232375-74)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, 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	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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 - 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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	36.8	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/16/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Shari Cisneros
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 65 0-4' (H232375-76)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	1.81	
Toluene*	<0.050	0.050	05/13/2023	ND	2.17	108	2.00	2.40	
Ethylbenzene*	<0.050	0.050	05/13/2023	ND	2.12	106	2.00	2.95	
Total Xylenes*	<0.150	0.150	05/13/2023	ND	6.57	109	6.00	2.37	
Total BTEX	<0.300	0.300	05/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	05/15/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	226	113	200	12.5	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	217	109	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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, 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	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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Celey D. Keene, Lab Director/Quality 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 - 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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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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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>		BILL TO		ANALYSIS REQUEST																				
Project Manager: <u>Berly Haduell</u>		P.O. #: <u>35000</u>																						
Address: <u>701 Tradewinds Blvd</u>		Company: <u>Permian Resources</u>																						
City: <u>Midland</u> State: <u>TX</u> Zip: <u>79701</u>		Attn: <u>Montgomery Floyd</u>																						
Phone #: <u>432-766-1918</u> Fax #:		Address:																						
Project #: <u>237274</u> Project Owner: <u>Permian</u>		City:																						
Project Name: <u>Sheba #3</u>		State: Zip:																						
Project Location: <u>Lea Co, NM</u>		Phone #:																						
Sampler Name: <u>Kenny Hart</u>		Fax #:																						
FOR LAB USE ONLY	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	BTEX Chloride TPH									
	<u>H232375</u>					X							<u>5/11/23</u>	<u>11:48</u>										
	<u>1</u>	<u>CS-123</u>	<u>2'</u>											<u>11:50</u>										
	<u>2</u>	<u>CS-124</u>	<u>3'</u>											<u>11:52</u>										
	<u>3</u>	<u>CS-125</u>	<u>3'</u>											<u>11:54</u>										
	<u>4</u>	<u>CS-126</u>	<u>3'</u>											<u>11:56</u>										
	<u>5</u>	<u>CS-127</u>	<u>3'</u>											<u>11:58</u>										
	<u>6</u>	<u>CS-128</u>	<u>3'</u>											<u>12:00</u>										
	<u>7</u>	<u>CS-129</u>	<u>3'</u>											<u>12:02</u>										
	<u>8</u>	<u>CS-130</u>	<u>3'</u>											<u>12:04</u>										
	<u>9</u>	<u>CS-131</u>	<u>3'</u>											<u>12:06</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>Shan Cisneros</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Time: <u>16:40</u>	Received By:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C <u>3.8</u>	Sample Condition		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>3.2</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
			CHECKED BY: (Initials) <u>SH</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
					Thermometer ID #113 Correction Factor -0.6°C	
					Corrected Temp. °C	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NIG E
Project Manager: Betsy Hagel
Address: 701 Tradewinds Blvd
City: Midland State: TX Zip: 79701
Phone #: 432-766-1918 Fax #:
Project #: 237274 Project Owner: Permian
Project Name: Sheba #3
Project Location: Lea Co, NM
Sampler Name: Penny Hart
BILL TO
P.O. #: 35000
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP, # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME). Rows 11-20 with handwritten data.

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.

Relinquished By: Penny Hart
Received By: Shari Cinceros
Date: 5/11/23
Time: 11:40
Observed Temp. 5.8
Corrected Temp. 3.2
Sample Condition: Cool Intact
Checked By: [Signature]
Turnaround Time: Standard
Bacteria (only) Sample Condition: Cool Intact

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NIG E
Project Manager: Beley Haguel
Address: 701 Tradewinds Blvd
City: Midland State: TX Zip: 79701
Phone #: 432-766-1918 Fax #:
Project #: 237274 Project Owner: Permian
Project Name: Sheba #3
Project Location: Lea Co, NM
Sampler Name: Penny Hart
BILL TO ANALYSIS REQUEST
P.O. #: 35000
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:
FOR LAB USE ONLY
Lab I.D. Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
PRESERV: ACID/BASE, ICE / COOL, OTHER
SAMPLING: DATE, TIME
BTEX, Chl, TPH

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.

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NIG E	BILL TO	ANALYSIS REQUEST											
Project Manager: Betsy Hadick	P.O. #: 35000												
Address: 701 Tradewinds Blvd	Company: Permian Resources												
City: Midland State: TX Zip: 79701	Attn: Montgomery Floyd												
Phone #: 432-766-1918 Fax #:	Address:												
Project #: 237274 Project Owner: Permian	City:												
Project Name: Sheba #3	State: Zip:												
Project Location: lea Co, NM	Phone #:												
Sampler Name: Lenny Hart	Fax #:												

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

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Relinquished By: Lenny Hart	Date: 5/11/23	Received By: Shaw Cisneros	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 16:40	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Date:	Observed Temp. °C: 3.8	REMARKS:	
Sampler - UPS - Bus - Other:	Time:	Corrected Temp. °C: 3.2	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition
FORM-000-R 3.5/11/18/22		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	Thermometer ID #113	Cool Intact Observed Temp °C
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NIG E
Project Manager: Beley Hadrell
Address: 701 Tradewinds Blvd
City: Midland State: TX Zip: 79701
Phone #: 432-766-1918 Fax #:
Project #: 237274 Project Owner: Permian
Project Name: Sheba #3
Project Location: Lea Co, NM
Sampler Name: Kenny Hart
BILL TO
P.O. #: 35000
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME). Rows 41-50 with handwritten data.

BTEX
Chloride
TPH

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 service.

Relinquished By: Kenny Hart Date: 5/11/23 Time: 10:40
Received By: Shari Cisneros
Verbal Result: Yes No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C 3.8 Corrected Temp. °C 3.2
Sample Condition Cool Intact Yes No
CHECKED BY: (Initials) AC
Turnaround Time: Standard Rush
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: NIG E
Project Manager: Beley Hagel
Address: 701 Tradewinds Blvd
City: Midland State: TX Zip: 79701
Phone #: 432-766-1918 Fax #:
Project #: 237274 Project Owner: Permian
Project Name: Sheba #3
Project Location: Lea Co, NM
Sampler Name: Penny Hart
BILL TO
P.O. #: 35000
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (G/RAB OR C/OMP), # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME). Rows 51-60 with handwritten data.

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Relinquished By: Penny Hart
Received By: Shari Cisneros
Date: 5/11/23
Time: 11:40
Observed Temp. °C: 3.8
Corrected Temp. °C: 3.2
Sample Condition: Cool Intact
Checked By: [Signature]
Turnaround Time: Standard
Bacteria (only) Sample Condition: Cool Intact

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Form with sections: Company Name, Project Manager, Address, City, State, Zip, Phone #, Fax #, Project #, Project Owner, Project Name, Project Location, Sampler Name, BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV, SAMPLING.

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.

Form with sections: Relinquished By, Received By, Verbal Result, All Results are emailed, REMARKS, Delivered By, Observed Temp, Corrected Temp, Sample Condition, CHECKED BY, Turnaround Time, Bacteria (only), Sample Condition.

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



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NIG E	BILL TO	ANALYSIS REQUEST	
Project Manager: Beryl Hagdell			P.O. #: 35000
Address: 701 Tradewinds Blvd			Company: Permian Resources
City: Midland State: TX Zip: 79701			Attn: Montgomery Floyd
Phone #: 432-766-1918 Fax #:			Address:
Project #: 237274 Project Owner: Permian			City:
Project Name: Sheba #3			State: Zip:
Project Location: Lea Co, NM			Phone #:
Sampler Name: Kenny Mann			Fax #:

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 :						
A232375																		
71	SW-60	0.5-2'	C	1			X							5/11/23	2:08			
72	SW-61	0-2'													2:10			
73	SW-62	0-2'													2:12			
74	SW-63	0-1'													2:14			
75	SW-64	0-1.5'													2:16			
76	SW-65	0-4'													2:18			
77	SW-66	0.5-3'													2:20			
78	SW-67	0.5-2'													2:22			
79	SW-68	0-0.5'													2:24			
80	SW-69	0.5-3'													2:26			

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Relinquished By: Kenny Mann	Date: 5/11/23	Received By: Shau Cisneros	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 16:40	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C 3.8	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
FORM 100 R 3.3 07/18/22		CHECKED BY: (Initials) SC	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>
			Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
			Corrected Temp. °C

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



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

May 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHEBA #3

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 12:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 11A (5') (H232496-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265	
Toluene*	0.053	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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: 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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: 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, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: 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, SM4500Cl-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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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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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 37A (4.5') (H232496-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57	
Total BTEX	<0.300	0.300	05/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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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, 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 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: 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, 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*	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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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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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, 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 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 44A (4.5') (H232496-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57	
Total BTEX	<0.300	0.300	05/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	59.7	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 51A (4') (H232496-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265	
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57	
Total BTEX	<0.300	0.300	05/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	220	110	200	0.527	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	217	109	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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, 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*	<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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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, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	167	83.4	200	2.55		
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99		
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND						

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 71A (3.5') (H232496-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	167	83.4	200	2.55		
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.99		
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND						

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 77A (4') (H232496-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2023	ND	2.29	114	2.00	0.0265		
Toluene*	<0.050	0.050	05/19/2023	ND	2.33	116	2.00	1.10		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.44	122	2.00	2.06		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.19	120	6.00	2.57		
Total BTEX	<0.300	0.300	05/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, 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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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, 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	05/18/2023	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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/19/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	167	83.4	200	2.55	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 96A (4') (H232496-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	167	83.4	200	2.55		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 102A (3.5') (H232496-24)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	167	83.4	200	2.55		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 104A (4.5') (H232496-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, 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	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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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, 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 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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:	05/17/2023	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, 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	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed 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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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 120A (5') (H232496-28)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898	
Toluene*	0.337	0.050	05/20/2023	ND	2.24	112	2.00	0.483	
Ethylbenzene*	0.095	0.050	05/20/2023	ND	2.37	119	2.00	0.126	
Total Xylenes*	0.222	0.150	05/20/2023	ND	6.99	117	6.00	0.364	
Total BTEX	0.654	0.300	05/20/2023	ND					

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

Chloride, 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	167	83.4	200	2.55	
DRO >C10-C28*	12.1	10.0	05/19/2023	ND	187	93.6	200	6.99	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: CS - 121A (5') (H232496-29)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	0.112	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/19/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	167	83.4	200	2.55		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	187	93.6	200	6.99		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 62.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

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

BTEX 8021B		mg/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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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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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 12A (0-5') (H232496-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898	
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364	
Total BTEX	<0.300	0.300	05/20/2023	ND					

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

Chloride, 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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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, 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 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	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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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, SM4500CI-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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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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 61.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 27A (0-4') (H232496-38)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898		
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	26.9	10.0	05/18/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND						

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND						

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

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

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.19	110	2.00	0.898	
Toluene*	<0.050	0.050	05/20/2023	ND	2.24	112	2.00	0.483	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.37	119	2.00	0.126	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.99	117	6.00	0.364	
Total BTEX	<0.300	0.300	05/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 33A (0-3') (H232496-41)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 34A (0-3') (H232496-42)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, 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	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 35A (0-4') (H232496-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65	
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35	
Total BTEX	<0.300	0.300	05/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 37A (0-3') (H232496-44)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 38A (0-4') (H232496-45)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, 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 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 39A (0-3') (H232496-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65	
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77	
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35	
Total BTEX	<0.300	0.300	05/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	SHEBA #3	Sampling Condition:	Cool & Intact
Project Number:	237274	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES-LEA CO., NM		

Sample ID: SW - 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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Celey D. Keene, Lab Director/Quality 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 - 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, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/19/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09	
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality 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 - 43A (0-3') (H232496-49)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.16	108	2.00	2.65		
Toluene*	<0.050	0.050	05/20/2023	ND	2.19	109	2.00	2.73		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.27	113	2.00	3.77		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.67	111	6.00	4.35		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/19/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2023	ND	168	84.0	200	2.09		
DRO >C10-C28*	<10.0	10.0	05/19/2023	ND	168	84.2	200	4.55		
EXT DRO >C28-C36	<10.0	10.0	05/19/2023	ND						

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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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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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
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd.
 City, State ZIP: Midland TX, 79701
 Phone: 432-766-1918
 Email:

Bill to: (if different) Montgomery Floyd **NTG**
 Company Name: Permian Resources
 Address: 300 N. Marlenfeld, Suite 1000
 City, State ZIP: Midland TX, 79701

Work Order Comments

Program: UST/PS PR Brownfie R Supe
 State of Project:
 Reporting: Level Level PST/U TR L B
 Deliverables: EDD ADaPT Other:

Project Name: Sheba #3
 Project Number: 237274
 Project Location: Lea Co, New Mexico
 Sampler's Name: Kenny Han
 PO #: 35000

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

SAMPLE RECEIPT

Received Intact: Yes No Wet Ice: Yes No
 Cooler Custody Seals: Yes No N/A
 Sample Custody Seals: Yes No N/A
 Total Containers: 49

Temp Blank: Yes No N/A
 Thermometer ID: 773
 Correction Factor: -0.6°C
 Temperature Reading: 5.0°C
 Corrected Temperature: -5.6°C

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST				Preservative Codes	
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500			
CS-11A (5')	5/16/2023	12:40	x		Comp	1	x	x	x			None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
CS-19A (5')	5/16/2023	12:42	x		Comp	1	x	x	x			
CS-20A (5')	5/16/2023	12:44	x		Comp	1	x	x	x			
CS-21A (5')	5/16/2023	12:46	x		Comp	1	x	x	x			
CS-30A (5')	5/16/2023	12:48	x		Comp	1	x	x	x			
CS-33A (5')	5/16/2023	12:50	x		Comp	1	x	x	x			
CS-37A (4.5')	5/16/2023	12:52	x		Comp	1	x	x	x			
CS-38A (4.5')	5/16/2023	12:54	x		Comp	1	x	x	x			
CS-40A (4.5')	5/16/2023	12:56	x		Comp	1	x	x	x			
CS-42A (4.5')	5/16/2023	12:58	x		Comp	1	x	x	x			

Hand added to Box 5/17/23
BTEX added 5/17/23
Chloride 4500
BTEX added 5/17/23

HOLD

Sample Comments

Additional Comments:

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Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 5/17/23 8:40 AM

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date/Time 5-17-23 1205



Chain of Custody

Work Order No: H232496

Page 2 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd NTG
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, 79704
Phone:	432-766-1918	Email:	

Work Order Comments

Program: UST/PS PR Brownfie R Supe

State of Project:

Reporting: Level Level PST/U TR Le

Deliverables: EDD ADaP 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		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST				HOLD
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500		
CS-43A (4.5')	4/26/2023	1:00	x		Comp	1	x	x	x		
CS-44A (4.5')	4/26/2023	1:02	x		Comp	1	x	x	x		
CS-51A (4')	4/26/2023	1:04	x		Comp	1	x	x	x		
CS-53A (4')	4/26/2023	1:06	x		Comp	1	x	x	x		
CS-57A (4')	4/26/2023	1:08	x		Comp	1	x	x	x		
CS-63A (4')	4/26/2023	1:10	x		Comp	1	x	x	x		
CS-71A (3.5')	4/26/2023	1:12	x		Comp	1	x	x	x		
CS-77A (4')	4/26/2023	1:14	x		Comp	1	x	x	x		
CS-83A (4')	4/26/2023	1:16	x		Comp	1	x	x	x		
CS-85A (4')	4/26/2023	1:18	x		Comp	1	x	x	x		

Preservative Codes

None: NO DI Water: H₂O

Cool: Cool MeOH: Me

HCL: HC HNO₃: HN

H₂SO₄: H₂ NaOH: Na

H₃PO₄: HP

NaHSO₄: NABIS

Na₂S₂O₃: NaSO₃

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

SAMPLE RECEIPT

Temp Blank: Yes No Wet Ice: Yes No

Received Intact: Yes No Thermometer ID: 113

Cooler Custody Seals: Yes No Correction Factor: -0.6°C

Sample Custody Seals: Yes No Temperature Reading: -5.0°C

Total Containers: 49 Corrected Temperature: -5.6°C

Held at lab to BTEX 5/19/23

BTEX added 5/19/23

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 NTG
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 checked="" 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		

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST												
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										
CS-87A (4')	5/16/2023	1:20	x		Comp	1	x	x	x										
CS-92A (4')	5/16/2023	1:22	x		Comp	1	x	x	x										
CS-96A (4')	5/16/2023	1:24	x		Comp	1	x	x	x										
CS-102A (3.5')	5/16/2023	1:26	x		Comp	1	x	x	x										
CS-104A (4.5')	5/16/2023	1:28	x		Comp	1	x	x	x										
CS-109A (4.5')	5/16/2023	1:30	x		Comp	1	x	x	x										
CS-116A (5')	5/16/2023	1:32	x		Comp	1	x	x	x										
CS-120A (5')	5/16/2023	1:34	x		Comp	1	x	x	x										
CS-121A (5')	5/16/2023	1:36	x		Comp	1	x	x	x										
SW-1A (0-5')	5/16/2023	1:38	x		Comp	1	x	x	x										

Parameters

BTEX 8021B Hold added to BTEX 8021B
TPH 8015M (GRO + DRO + MRO)
Chloride 4500

BTEX added 5/16/23

HOLD

Preservative Codes	
None: NO	DI Water: H ₂ O
Cool: Cool	MeOH: Me
HCL: HC	HNO ₃ : HN
H ₂ SO ₄ : H ₂	NaOH: Na
H ₃ PO ₄ : HP	
NaHSO ₄ : NABIS	
Na ₂ S ₂ O ₃ : NaSO ₃	
Zn Acetate+NaOH: Zn	
NaOH+Ascorbic Acid: SAPC	

Sample Comments

Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.1°C
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.0°C
Total Containers:	49	Corrected Temperature:	-5.6°C

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 5:42	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 12:5

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

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

Chain of Custody



Work Order No: H232496

Page 4 of 5

Page 55 of 56

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd NTG
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 PR Brownfie R Supe

State of Project:

Reporting: Level Level PST/U TR Le

Deliverables: EDD ADaP Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	Sheba #3	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush												None: NO	DI Water: H ₂ O				
Project Location:	Lea Co, New Mexico	Due Date:		Parameters											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 ₃ : HN				
PO #:	35000														H ₂ SO ₄ : H ₂	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 ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:		Correction Factor:	<u>113</u>											NaHSO ₄ : NABIS				
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:		Corrected Temperature:	<u>-5.0°C</u>											Na ₂ S ₂ O ₃ : NaSO ₃				
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A															Zn Acetate+NaOH: Zn				
Total Containers:	49															NaOH+Ascorbic Acid: SAPC				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500											Sample Comments
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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/17/23 6:42	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205

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

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

Chain of Custody



Work Order No: H232496

Page 5 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Montgomery Floyd NTG
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 PR Brownfie R Supe

State of Project:

Reporting: Level Level PST/U TR Lab

Deliverables: EDD ADaPT Other:

Project Name:		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes					
Project Number:	Sheba #3	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush		Due Date:											None: NO	DI Water: H ₂ O			
Project Location:	Lea Co, New Mexico	TAT starts the day received by the lab, if received by 4:30pm		Parameters BTEX 8021B TPH 8015M (GRO + PRO + MRO) Chloride 4500	<p><i>Held in lab to BTEX 5/14/23</i></p> <p><i>BTEX added 5/14/23</i></p>										Cool: Cool	MeOH: Me				
Sampler's Name:	Kenny Han	Yes	No												Wet Ice:	Yes	No	HCL: HC	HNO ₃ : HN	
PO #:	35000	Thermometer ID:	113												H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes												No	Correction Factor:	-0.6	H ₃ PO ₄ : HP		
Received Intact:	Yes	No	Temperature Reading:												-5.0	Corrected Temperature:	-5.6	NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes	No	N/A			Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn													
Sample Custody Seals:	Yes	No	N/A			NaOH+Ascorbic Acid: SAPC														
Total Containers:	49																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
SW-33A (0-3')	5/16/2023	2:00	x		Comp	1	x	x	x											
SW-34A (0-3')	5/16/2023	2:02	x		Comp	1	x	x	x											
SW-35A (0-4')	5/16/2023	2:04	x		Comp	1	x	x	x											
SW-37A (0-3')	5/16/2023	2:06	x		Comp	1	x	x	x											
SW-38A (0-4')	5/16/2023	2:08	x		Comp	1	x	x	x											
SW-39A (0-3')	5/16/2023	2:10	x		Comp	1	x	x	x											
SW-41A (0-3')	5/16/2023	2:12	x		Comp	1	x	x	x											
SW-42A (0-3')	5/16/2023	2:14	x		Comp	1	x	x	x											
SW-43A (0-3')	5/16/2023	2:16	x		Comp	1	x	x	x											

Additional Comments:

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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

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 228946

CONDITIONS

Operator: Permian Resources Operating, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 228946
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation plan is approved. Permian Resources has 90-days (December 14, 2023) to submit its appropriate or final closure report.	9/18/2023