

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

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

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

Incident ID	nAPP2305947643
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Earthstone Operating, LLC	OGRID 331165
Contact Name Chris Martin	Contact Telephone 432-253-9998 Ext. 2653
Contact email cmartin@earthstoneenergy.com	Incident # (assigned by OCD)
Contact mailing address 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.667523 Longitude -103.604539
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mescalero 7-6 1H, 2H, 3H & 4H	Site Type Drilling
Date Release Discovered 2/22/23	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	07	19S	34E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 16	Volume Recovered (bbls) 5
	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 Produced water transfer hose was seriously damaged and when valves were opened it resulted in a release. The water to be used for fracing. Vac truck was able to recover 5 bbls of PW and soil was pushed and stockpiled to prevent further spread and allow work to continue. NTGE was contacted to provide a site evaluation.

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Rebecca Haskell</u> Title: <u>Senior Project Magager</u> Signature: <u>Rebecca Haskell</u> Date: <u>2/28/23</u> email: <u>bhaskell@ntglobal.com</u> Telephone: <u>432-766-1918</u>
<u>OCD Only</u> Received by: <u>Jocelyn Harimon</u> Date: <u>03/01/2023</u>

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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?	Unknown _____ (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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

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: Rebecca Haskell Title: Senior Project Magager

Signature: Rebecca Haskell Date: 6/1/23

email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 06/05/2023

Incident ID	nAPP2305947643
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Remediation Plan

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

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

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

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

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: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 6/1/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Jocelyn Harimon Date: 06/05/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Nelson Velez Date: 06/09/2023

Incident ID	nAPP2305947643
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Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 8/18/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Shelly Wells Date: 8/21/2023

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: Nelson Velez Date: 12/04/2023
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv



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

August 18, 2023

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

**Re: Site Closure Report
Mescalero 7-6 1H, 2H, 3H, & 4H
Earthstone Operating, LLC
Incident ID: nAPP2305947643
M-07-19S-23E, Lea County, New Mexico**

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Earthstone Operating, LLC (Earthstone), submits this Site Closure Report to the NMOCD District 2 Office in Artesia, New Mexico. This report provides documentation of initial soil delineation, sampling, analysis, and remediation activities conducted in the affected areas at the Earthstone Mescalero 7-6 1H, 2H, 3H, & 4H Release Site (Site). The Site is located in Unit Letter M, Section 07 of Township 19 South and Range 23 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.667523° N Latitude and 103.604539° W Longitude. The release occurred on Federal land. Figures 1 and 2 depict the Site location. The footprint of the release is depicted on Figure 3.

2. Background

A C-141, Release Notification, for this release was submitted to the NMOCD on February 28, 2023. The C-141 stated that sixteen (16) barrels (bbls) of produced water were released with five (5) recovered for a net loss of eleven (11) bbls of produced water. The release was due to the produced water transfer hose being damaged which resulted in the release when the valves were opened.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nAPP2305947643. A Site Characterization and Remediation Update Report, dated June 2, 2023, was submitted to the NMOCD for review. The report was approved by the NMOCD on June 9, 2023. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report.

Mr. Mike Bratcher
 August 18, 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, Delineation Sample Location Map, depicts the boundary of the release. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are provided as Attachment A. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), the Site is located within an area with an unknow 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. Initial Excavation and Soil Delineation Assessment Summary and Findings

On April 11, 2023, NTGE conducted initial assessment activities to assess the extent of impacts at the Mescalero 7-6 1H, 2H, 3H, & 4H (Site). A total of eight (8) vertical sample points (S-1 through S-8) as well as eleven (11) horizontal sample points (H-1 through H11) were installed to characterize the impact of the release. Soil samples were collected in half foot intervals ranging from depths of zero (0) to eleven (11) feet below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method SM4500. by Cardinal Laboratories

Mr. Mike Bratcher
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(Cardinal) in Hobbs, New Mexico. Analytical results from NTGE's assessment indicated that chloride and/or TPH concentrations exceeded the Table I Closure Criteria in S-3, S-4, and S-6 through S-8. Figure 3, Site Assessment Map, depicts the outline of the release area and sample locations. Analytical results are provided on Table 1, Summary of Soil Analytical Data – Delineation Samples, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A Photographic Log is provided in Attachment C.

5. Remedial Action Activities and Confirmation Sampling

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

On April 20, 2023, NTGE and Standard Safety and Supply (Standard) mobilized to the site to begin remediation activities. Areas were excavated from one (1) foot to ten (10) feet in depth based on initial assessment results and field observations. On May 10, 2023, NTGE collected nineteen (19) bottom hole confirmation samples (CS-1 through CS-19), three horizontal samples (H-12 through H-14), and twenty (20) sidewall samples. The three horizontal samples (CS-20 through CS-22) were taken to ensure excavation activities didn't need to extend out due to power pole installation. The power pole installation was later canceled due to proximity of the excavation areas. Analytical results indicated all samples exhibited benzene, BTEX, TPH and chloride concentrations below Table I Closure Criteria except for CS-3 and SW-11. Soil samples CS-3 and SW-11 exhibited chloride concentrations above 600 mg/kg.

Following the May 10, 2023, sampling event remediation activities were shut down due to there being unmarked pipelines in the area surrounding the excavation area. On May 22, 2023, NTGE and Standard returned to the site to resume remediation activities and found the excavation area filled with rainwater. Remediation activities resumed on June 1, 2023.

On June 2, 2023, NTGE collected an additional five (5) bottom hole confirmation samples (CS-3A, CS-20 through CS-23) and three (3) sidewall samples (SW-11A, SW-21 through SW-22). Analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

Following additional excavation activities by Standard, NTGE returned to the site on June 6, 2023, and collected seven (7) bottom hole confirmation samples (CS-24 through CS-30) and ten (10) sidewall samples (SW-23 through SW-32). Analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

On June 12, 2023, following additional excavation activities by Standard, NTGE collected three (3) bottom hole confirmation samples (CS-31 through CS-33) and four (4) sidewall samples (SW-33 through SW-36). The analytical results indicated that all soil samples exhibited BTEX, TPH, and chloride concentrations below Table 1 Closure Criteria.

Mr. Mike Bratcher
August 18, 2023
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To date, approximately 2,012.98 tons of impacted soils have been transported offsite for disposal at Lea Land, LLC of Carlsbad, New Mexico. Due to the file size, manifests are available upon request. The final excavation extent is shown on Figure 4, Excavation Overview Map, and confirmation sample locations are shown in Figures 5, Confirmation Sample Map – West, and Figure 6, Confirmation Sample Map - East. Analytical results are provided on Table 2, Summary of Soil Analytical Data – Confirmation Samples, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A photographic log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

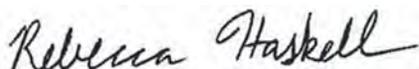
6. nAPP2305947643 Closure Request

The excavation was backfilled with non-impacted material. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report. Based upon supporting documentation provided in this report, NTGE, on behalf of Earthstone, respectfully requests closure with no further regulatory action for nAPP2305947643.

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

Sincerely,

NTG Environmental



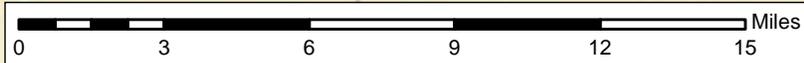
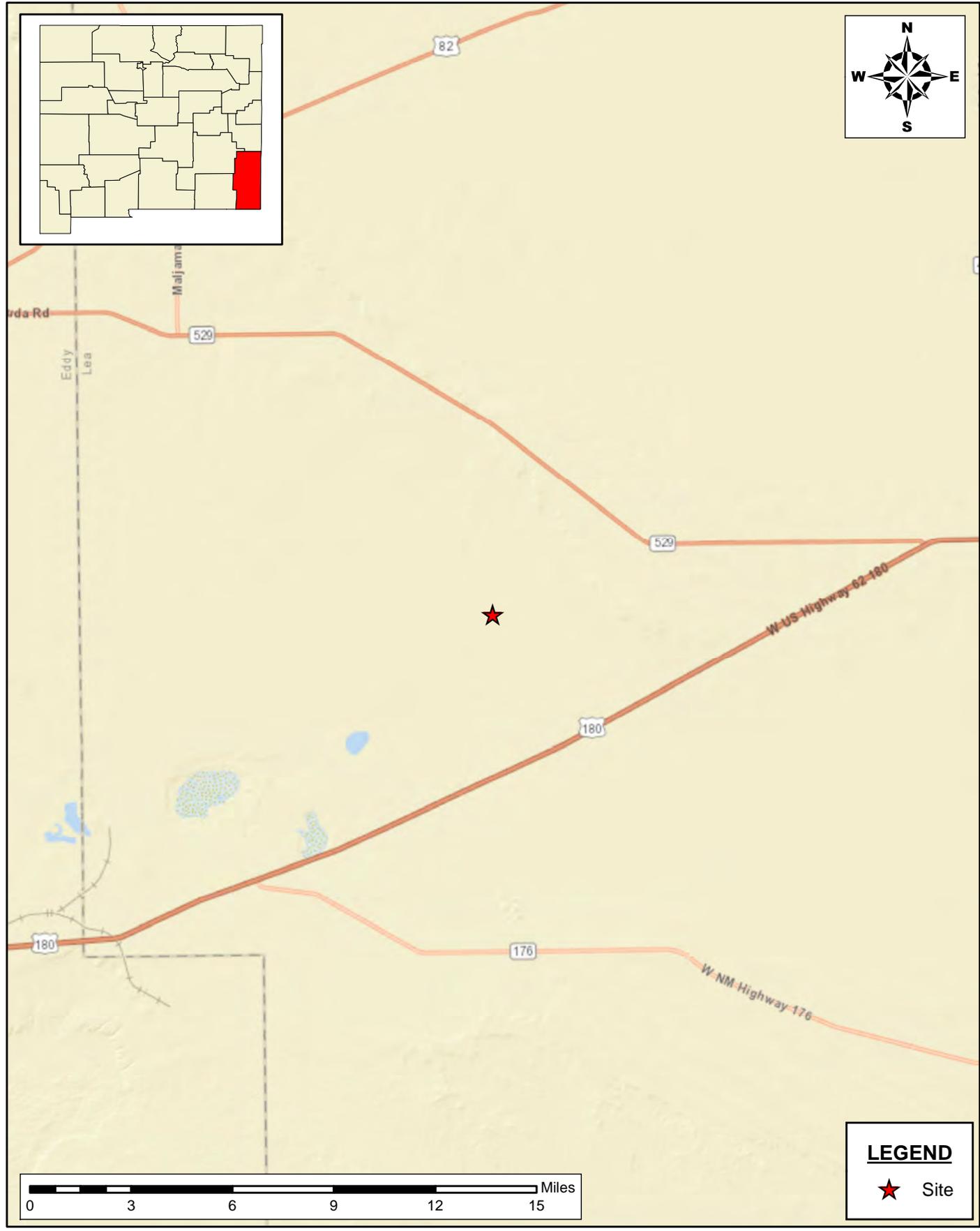
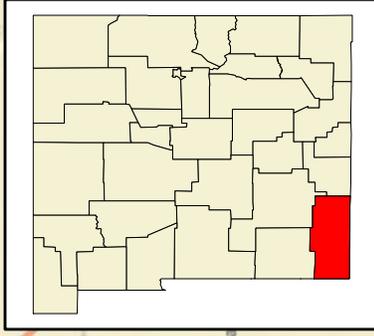
Becky Haskell
Senior Project Manager

Attachments:

Figure 1:	Area Location Map
Figure 2:	Topographic Map
Figure 3:	Delineation Sample Location Map
Figure 4:	Excavation Overview Map
Figure 5:	Confirmation Sample Map - West
Figure 6:	Confirmation Sample Map - East
Table 1:	Summary of Soil Analytical Data – Delineation Samples
Table 2:	Summary of Soil Analytical Data – Confirmation Samples
Attachment A:	Site Characterization Documentation
Attachment B:	Confirmation Sampling Notifications
Attachment C:	Photographic Log
Attachment D:	Laboratory Analytical Reports and Chain -of-Custody Documentation

FIGURES





LEGEND

★ Site

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SITE LOCATION MAP
EARTHSTONE ENERGY
 Mescalero 7-6 1H, 2H, 3H and 4H
 Lea County, New Mexico
 32.667523°-103.604539°

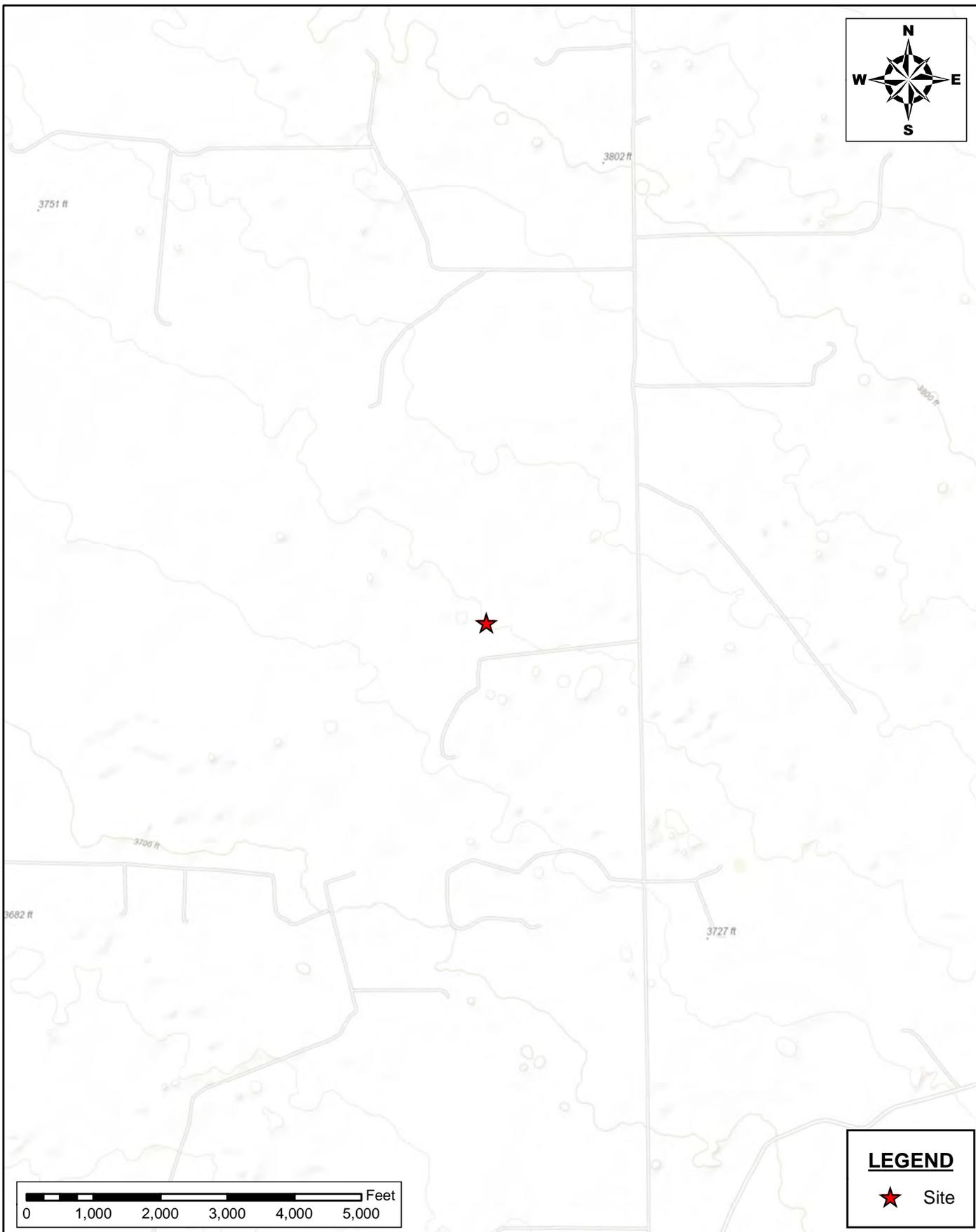

New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
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 F - 281.872.4521
 Web: www.ntgenvironmental.com

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

DRAWING NUMBER:
FIGURE 1
 SHEET NUMBER:
1 of 1

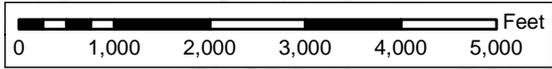
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LEGEND

★ Site



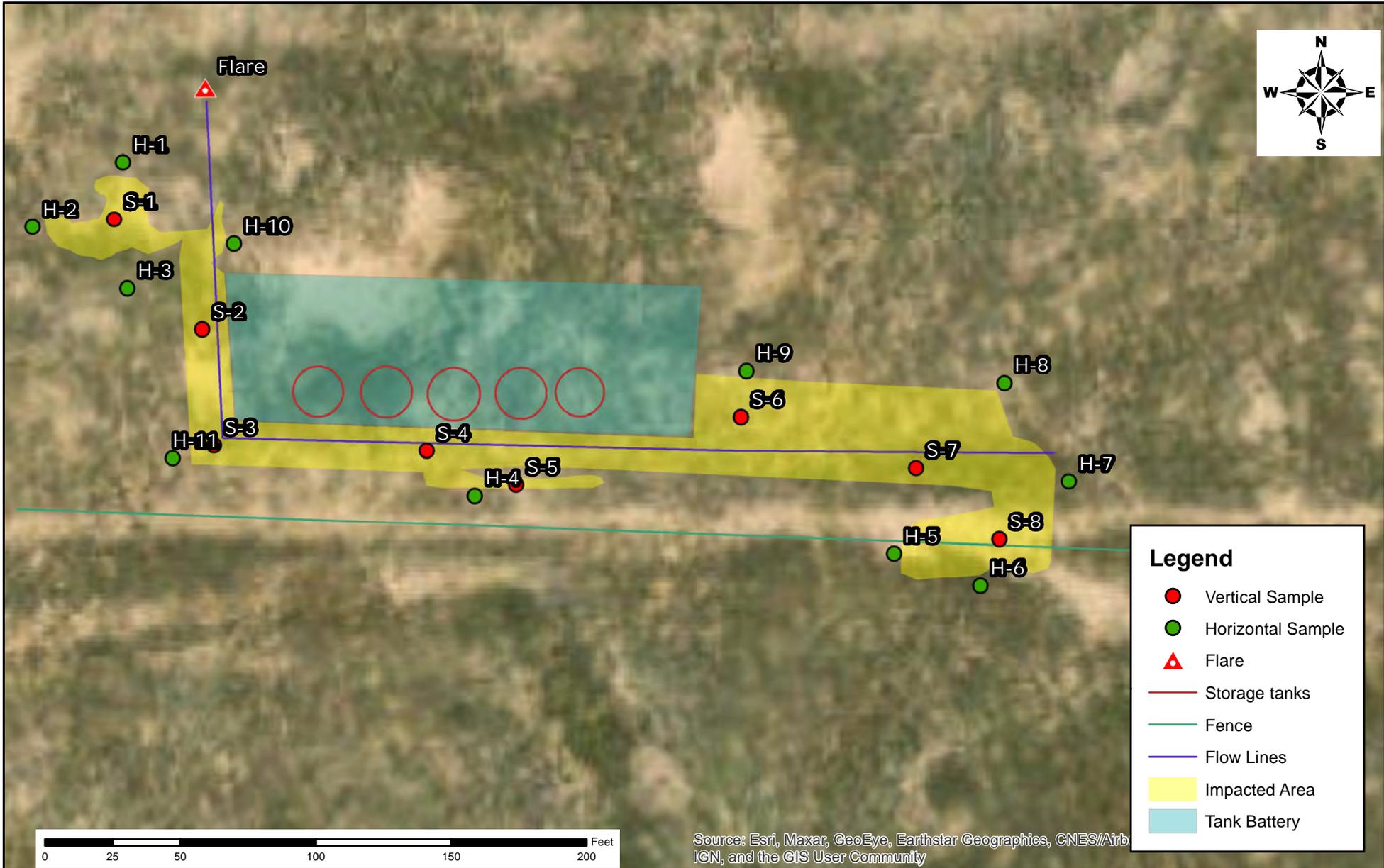
**TOPOGRAPHIC MAP
EARTHSTONE ENERGY**
 Mescalero 7-6 1H,2H,3H and 4H
 Lea County, New Mexico
 32.667523°-103.604539°

SCALE: As Shown Date: 5/31/2023 PROJECT #: 237067

 **NTG**
New Tech Global Environmental, LLC
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
 SHEET NUMBER:
1 of 1



Document Path: P:\2023 PROJECTS\EARTHSTONE\FIGURES\237067_Mescalero 7-6 1H, 2H, 3H & 4HV - Figures\GIS\Figure_3_8.5x11_map_Landscape.pxd

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus, IGN, and the GIS User Community

DRAWING NUMBER
FIGURE 3

SHEET NUMBER
1 of 1

SITE ASSESSMENT MAP
EARTHSTONE ENERGY
 Mescalero 7-6 1H,2H,3H and 4H
 Lea County, New Mexico
 32.667523°-103.604539°

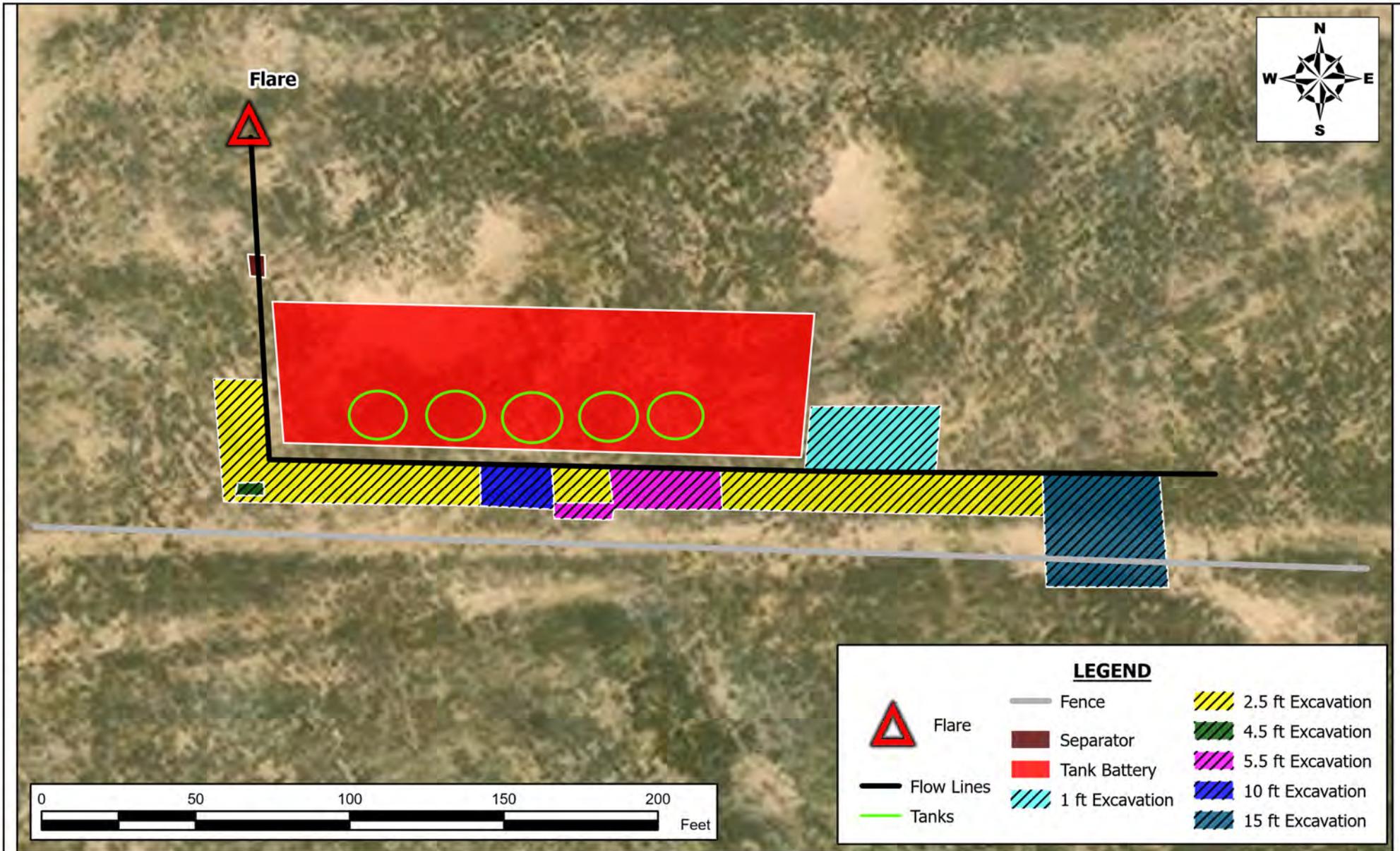
SCALE: As Shown Date: 6/2/2023 PROJECT #: 237067

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NOTES:

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



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LEGEND			
	Flare		2.5 ft Excavation
	Fence		4.5 ft Excavation
	Separator		5.5 ft Excavation
	Tank Battery		10 ft Excavation
	Flow Lines		1 ft Excavation
	Tanks		15 ft Excavation

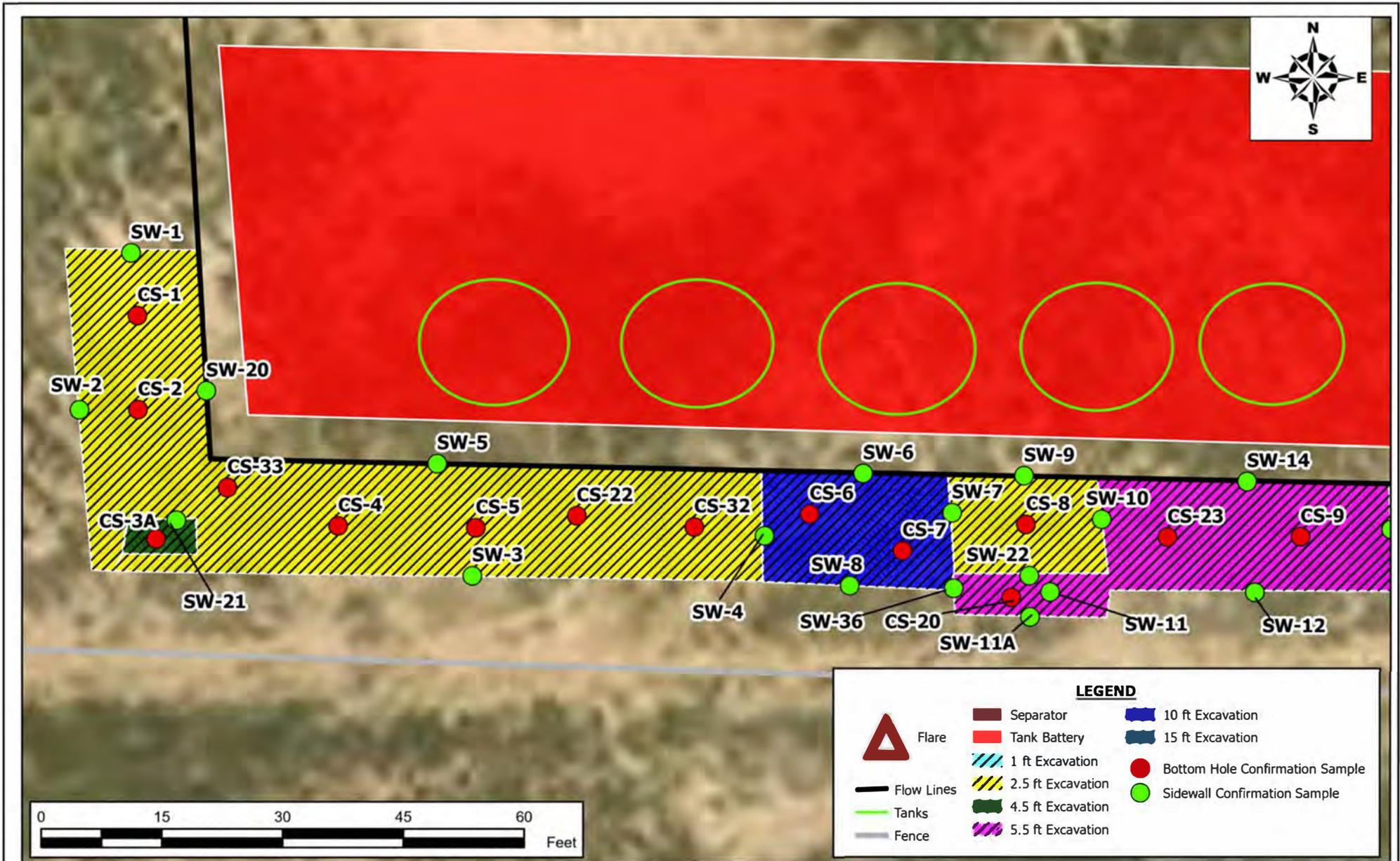
DRAWING NUMBER: FIGURE 4 SHEET NUMBER: 1 of 1	EXCAVATION OVERVIEW MAP EARTHSTONE OPERATING, LLC Mescalero 7-6 1H, 2H, 3H AND 4H LEA COUNTY, NEW MEXICO 32.667523, -103.604539
	SCALE: AS SHOWN DATE: 08/17/2023 PROJECT #: 237067

New Tech Global Environmental, LLC
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NOTES:

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

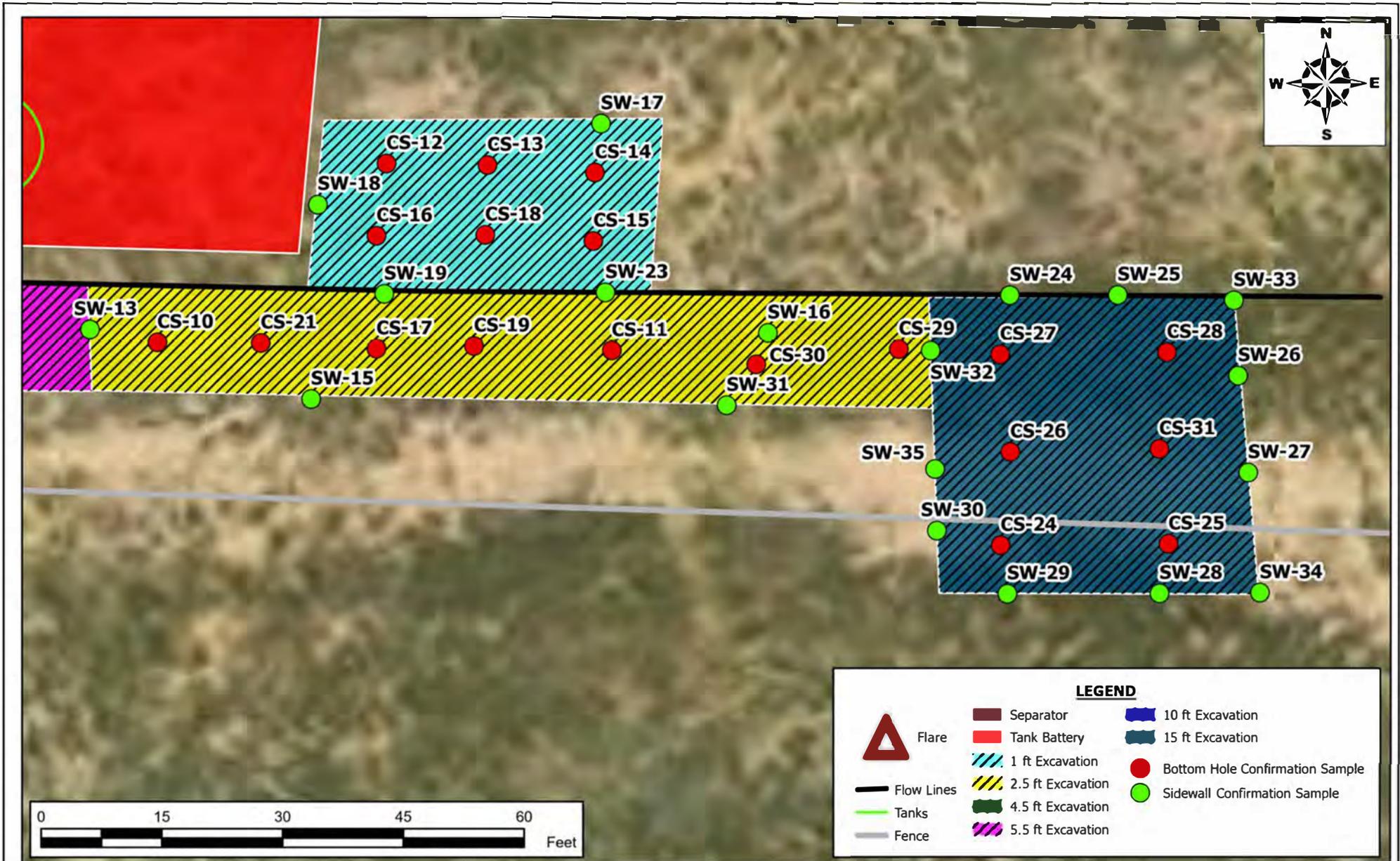


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1 of 1	SHEET NUMBER	DRAWING NUMBER	FIGURE 5	SCALE: AS SHOWN	DATE: 08/17/2023	PROJECT #: 237067
<p>CONFIRMATION SAMPLE MAP - WEST EARTHSTONE OPERATING, LLC Mescalero 7-6 1H, 2H, 3H AND 4H LEA COUNTY, NEW MEXICO 32.667523, -103.604539</p>						

<p>New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com</p>	
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<p>NOTES:</p> <ol style="list-style-type: none"> 1. Base Image: ESRI Maps and Data 2017 (DigitalGlobe 2016 0.5m Digital Orthophoto) 2. Map Projection: NAD 1983
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Document Path: P:\2023 PROJECTS\EARTHSTONE\RES\237067_Mescalero 7-6 1H, 2H, 3H & 4H7 - Figure\GIS\Figure_6_ConfirmationSampleMap_08182023.aprx

1 of 1	SHEET NUMBER	DRAWING NUMBER FIGURE 6	<p>CONFIRMATION SAMPLE MAP - EAST EARTHSTONE OPERATING, LLC Mescalero 7-6 1H, 2H, 3H AND 4H LEA COUNTY, NEW MEXICO 32.667523, -103.604539</p>
SCALE AS SHOWN			DATE: 08/18/2023
PROJECT #: 237067			

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

TABLES



Table 1
Summary of Soil Analytical Data - Delineation Samples
Mescalero 7-6 1H, 2H, 3H, & 4H
Earthstone Operating, LLC
Lea, County, New Mexico

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 (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (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
Assessment Samples													
S-1	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
S-2	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
S-3	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	942	942	188	1130	8400
S-3	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.8	23.8	<10.0	23.8	4660
S-3	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
S-4	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	340	340	75.2	415.2	16600
S-4	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.5	36.5	<10.0	36.5	3360
S-4	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	64.6	64.6	<10.0	64.6	5360
S-4	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2440
S-4	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560
S-4	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200
S-4	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1360
S-4	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1200
S-4	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
S-5	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	122
S-6	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1400
S-6	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
S-7	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	85.5	85.5	<10.0	85.5	688
S-7	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	65.5	65.5	<10.0	65.5	3680
S-7	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96.7	96.7	<10.0	96.7	2080
S-7	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	2400
S-7	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2200
S-7	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2400
S-7	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2640
S-7	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2560
S-7	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2680
S-7	4/11/2023	(9-9.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6800
S-7	4/11/2023	(10-10.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2520
S-7	4/11/2023	(11-11.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
S-8	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	209	209	28.1	237.1	3320
S-8	4/11/2023	(1-1.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920
S-8	4/11/2023	(2-2.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2960
S-8	4/11/2023	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3400
S-8	4/11/2023	(4-4.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3280
S-8	4/11/2023	(5-5.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3760
S-8	4/11/2023	(6-6.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8080
S-8	4/11/2023	(7-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4400
S-8	4/11/2023	(8-8.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3200
S-8	4/11/2023	(9-9.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1250
S-8	4/11/2023	(10-10.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
S-8	4/11/2023	(11-11.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
H-1	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
H-2	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-3	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Table 1
Summary of Soil Analytical Data - Delineation Samples
Mescalero 7-6 1H, 2H, 3H, & 4H
Earthstone Operating, LLC
Lea, County, New Mexico

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 (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (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
H-4	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-5	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
H-6	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
H-7	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
H-8	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
H-9	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-10	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
H-11	4/11/2023	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
H-12	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
H-13	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
H-14	5/10/2023	6"	<0.500	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112

Notes:

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

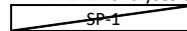
 Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Mescalero 7-6 1H, 2H, 3H, & 4H
Earthstone Operating, LLC
Lea, County, New Mexico

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 (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (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			
Confirmation Bottom Hole Samples													
CS-1	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-2	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
CS-3	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
CS-3A	6/2/2023	4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-4	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-5	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-6	5/10/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-7	5/10/2023	10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-8	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-9	5/10/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-10	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-11	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-12	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-13	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-14	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-15	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-16	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-17	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-18	5/10/2023	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-19	5/10/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-20	6/2/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-21	6/2/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	16.2	<10.0	16.2	64
CS-22	6/2/2023	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-23	6/2/2023	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-24	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-25	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-26	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS-27	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-28	6/6/2023	15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-29	6/6/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-30	6/6/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-31	6/12/2023	15	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
CS-32	6/12/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-33	6/12/2023	2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
Confirmation Sidewall Samples													
SW-1	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-2	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-3	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-4	5/10/2023	2.5'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.2	<10.0	<10.0	<10.0	192
SW-5	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-6	5/10/2023	0'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW-7	5/10/2023	2.5'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SW-8	5/10/2023	0'-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SW-9	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Mescalero 7-6 1H, 2H, 3H, & 4H
Earthstone Operating, LLC
Lea, County, New Mexico

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 (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (mg/kg)		
								10 mg/kg	---	---	---	50 mg/kg		---
SW-10	5/10/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-11	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	832
SW-11A	6/2/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-12	5/10/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-13	5/10/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-14	5/10/2023	0-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-15	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-16	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-17	5/10/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-18	5/10/2023	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-19	5/10/2023	1'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
SW-20	5/10/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-21	6/2/2023	2.5'-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-22	6/2/2023	2.5'-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-23	6/6/2023	1'-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-24	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256.0
SW-25	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-26	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576.0
SW-27	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-28	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-29	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112.0
SW-30	6/6/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-31	6/6/2023	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-32	6/6/2023	2.5'-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-33	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	114.0
SW-34	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-35	6/12/2023	0-15'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144.0
SW-36	6/12/2023	5.5-10'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	36.0

Notes:

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

~~SP-1~~ Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



Site Characterization Map

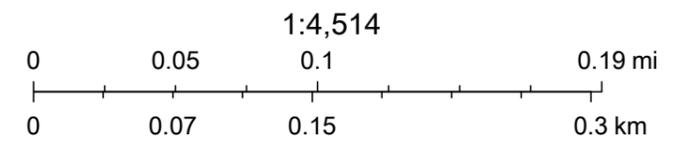


8/17/2023, 1:26:33 PM

 Site Location

Karst Occurrence Potential

 Low

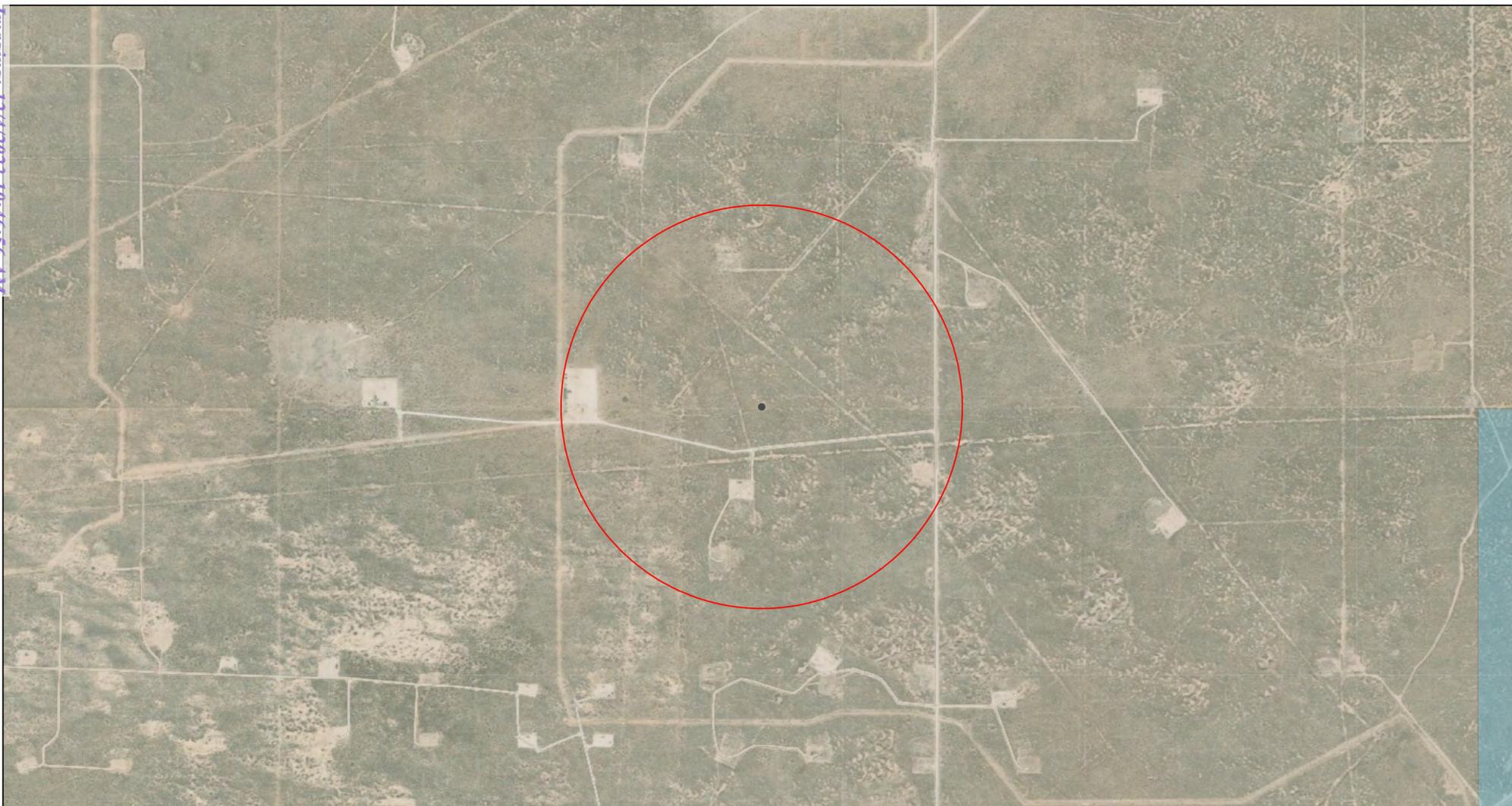


BLM, OCD, New Mexico Tech, USGS, Esri, HERE, Garmin, iPC, Maxar, NM OSE

OSE POD Locations Map

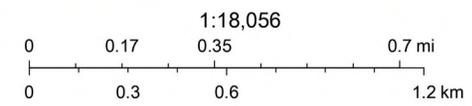
Released to Imaging: 12/4/2023 10:46:56 AM

Received by OCD: 8/19/2023 12:00:09 AM



6/1/2023, 3:49:47 PM

- OSE District Boundary
- New Mexico State Trust Lands
- Water Right Regulations
- Both Estates
- Closure Area
- Site Boundaries



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

Web Generated Map
Map is generated by web users.

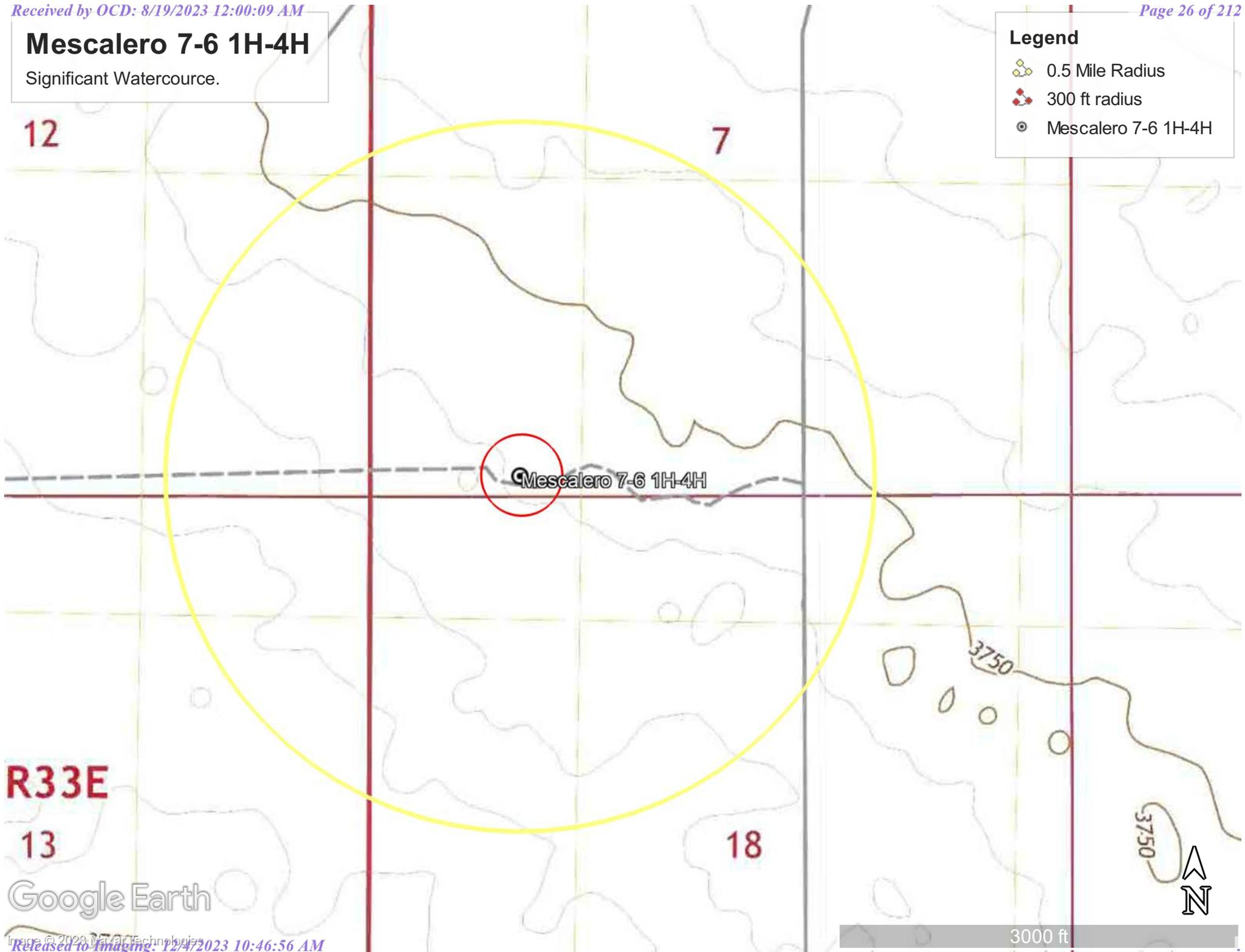
Page 25 of 212

Mescalero 7-6 1H-4H

Significant Watercourse.

Legend

-  0.5 Mile Radius
-  300 ft radius
-  Mescalero 7-6 1H-4H



R33E

13

Google Earth

18

3000 ft





Mescalero



May 30, 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



103°36'35"W 32°40'19"N



Legend

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

- SPECIAL FLOOD HAZARD AREAS**
 - Without Base Flood Elevation (BFE) Zone A, V, A99
 - With BFE or Depth Zone AE, AO, AH, VE, AR
 - Regulatory Floodway
 - OTHER AREAS OF FLOOD HAZARD**
 - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
 - Future Conditions 1% Annual Chance Flood Hazard Zone X
 - Area with Reduced Flood Risk due to Levee. See Notes. Zone X
 - Area with Flood Risk due to Levee Zone D
 - OTHER AREAS**
 - NO SCREEN Area of Minimal Flood Hazard Zone X
 - Effective LOMRs
 - Area of Undetermined Flood Hazard Zone D
 - GENERAL STRUCTURES**
 - Channel, Culvert, or Storm Sewer
 - Levee, Dike, or Floodwall
 - OTHER FEATURES**
 - Cross Sections with 1% Annual Chance Water Surface Elevation
 - Coastal Transect
 - Base Flood Elevation Line (BFE)
 - Limit of Study
 - Jurisdiction Boundary
 - Coastal Transect Baseline
 - Profile Baseline
 - Hydrographic Feature
 - MAP PANELS**
 - Digital Data Available
 - No Digital Data Available
 - Unmapped
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

ATTACHMENT B: CONFIRMATION SAMPLING NOTIFICATIONS



From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Nobui, Jennifer, EMNRD](#)
Subject: RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H
Date: Thursday, May 4, 2023 9:22:05 AM
Attachments: [image003.png](#)

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

Ricardo,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

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



From: Ricardo Baer <RBAer@ntglobal.com>
Sent: Wednesday, May 3, 2023 10:41 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

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

Good Morning,

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

Mescalero 7-6 1H, 2H, 3H & 4H
M-07-19S-23E
Lea County, NM
nAPP2305947643

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

Thank you,

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



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Becky Haskell

From: Ricardo Baer
Sent: Wednesday, May 24, 2023 1:59 PM
To: ocd.enviro@emnrd.nm.gov; NTG Env Carlsbad
Cc: Becky Haskell
Subject: FW: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

Good afternoon,

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

Mescalero 7-6 1H, 2H, 3H & 4H
M-07-19S-23E
Lea County, NM
nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, May 29, 2023, and continue through Friday, June 2, 2023. Please let me know if you have any questions.

Thank you,

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



From: [Buchanan, Michael, EMNRD](#)
To: [Ricardo Baer](#); [Enviro, OCD, EMNRD](#)
Cc: [Becky Haskell](#); [NTG Env Carlsbad](#); [Jeff Kindley](#); [Velez, Nelson, EMNRD](#)
Subject: RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H
Date: Thursday, June 1, 2023 5:00:22 PM
Attachments: [image001.png](#)

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Good afternoon, Mr. Baer

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Regards,

Mike Buchanan • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE | Albuquerque, NM 87113
| michael.buchanan@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 31, 2023 1:30 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>; Jeff Kindley <jkindley@ntglobal.com>
Subject: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

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

Good afternoon,

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

Mescalero 7-6 1H, 2H, 3H & 4H
M-07-19S-23E
Lea County, NM
nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, June 5, 2023, and continue through Friday, June 9, 2023. Please let me know if you have any questions.

Thank you,

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



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: RE: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H
Date: Wednesday, June 7, 2023 4:56:13 PM
Attachments: [image003.png](#)

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Ricardo,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

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



From: Ricardo Baer <Rbaer@ntglobal.com>
Sent: Wednesday, June 7, 2023 2:28 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] Mescalero 7-6 1H, 2H, 3H & 4H

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

Good afternoon,

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

Mescalero 7-6 1H, 2H, 3H & 4H
M-07-19S-23E
Lea County, NM

nAPP2305947643

Sampling will begin at 8:00 a.m. on Monday, June 12, 2023, and continue through Friday, June 16, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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ATTACHMENT C: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 1

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Area of Concern.



Photograph No. 2

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Area of Concern.



Photograph No. 3

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Area of Concern.



PHOTOGRAPHIC LOG

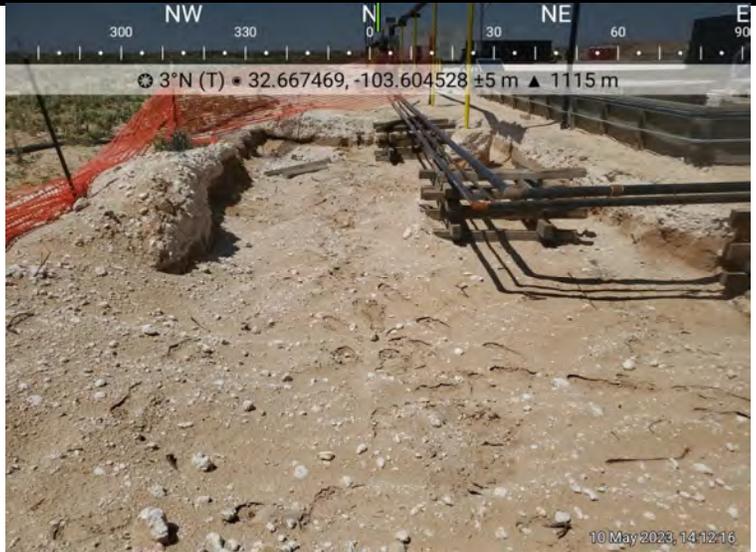
Earthstone Operating, LLC

Photograph No. 4

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Excavation.



Photograph No. 5

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Excavation.



Photograph No. 6

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Excavation.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 7

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Backfill progress.



Photograph No. 8

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Backfill progress.



Photograph No. 9

Facility: Mescalero 7-6 1H, 2H, 3H & 4H

County: Lea County, New Mexico

Description:
Construction of the berm.



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





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

April 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 13:41.

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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 1 (0-.5) (H231740-01)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	192	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 2 (0-.5) (H231740-02)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	208	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 3 (0-.5) (H231740-03)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8400	16.0	04/17/2023	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	942	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	188	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 3 (1-1.5) (H231740-04)

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	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	4660	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40		
DRO >C10-C28*	23.8	10.0	04/15/2023	ND	214	107	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 101 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 3 (2-2.5) (H231740-05)

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40		
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (0-.5) (H231740-06)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16600	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	340	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	75.2	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (1-1.5) (H231740-07)

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	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	3360	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40		
DRO >C10-C28*	36.5	10.0	04/15/2023	ND	214	107	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 105 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (2-2.5) (H231740-08)

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	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	5360	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40		
DRO >C10-C28*	64.6	10.0	04/15/2023	ND	214	107	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (3-3.5) (H231740-09)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	2440	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (4-4.5) (H231740-10)

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	04/15/2023	ND	1.81	90.6	2.00	4.36		
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34		
Total BTEX	<0.300	0.300	04/15/2023	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	2560	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40		
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 113 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (5-5.5) (H231740-11)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	2200	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (6-6.5) (H231740-12)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	1360	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (7-7.5) (H231740-13)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	1200	16.0	04/17/2023	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	04/15/2023	ND	188	93.9	200	1.40	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	214	107	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 4 (8-8.5) (H231740-14)

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	04/15/2023	ND	1.81	90.6	2.00	4.36	
Toluene*	<0.050	0.050	04/15/2023	ND	1.97	98.5	2.00	4.00	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	4.82	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.28	105	6.00	5.34	
Total BTEX	<0.300	0.300	04/15/2023	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	576	16.0	04/17/2023	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	04/14/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 5 (0-.5) (H231740-15)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	112	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 6 (0-.5) (H231740-16)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	1400	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 6 (1-1.5) (H231740-17)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	384	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (0-.5) (H231740-18)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	688	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	85.8	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (1-1.5) (H231740-19)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	65.5	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (2-2.5) (H231740-20)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2080	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	96.7	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (3-3.5) (H231740-21)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2400	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	11.6	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 116 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (4-4.5) (H231740-22)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2200	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (5-5.5) (H231740-23)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2400	16.0	04/17/2023	ND	416	104	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (6-6.5) (H231740-24)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2640	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (7-7.5) (H231740-25)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2560	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (8-8.5) (H231740-26)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2680	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (9-9.5) (H231740-27)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	6800	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (10-10.5) (H231740-28)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2520	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 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:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 7 (11-11.5) (H231740-29)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	304	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (0-.5) (H231740-30)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	3320	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	209	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	28.1	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 117 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (1-1.5) (H231740-31)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	1920	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (2-2.5) (H231740-32)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	2960	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (3-3.5) (H231740-33)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	3400	16.0	04/17/2023	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	04/15/2023	ND	202	101	200	0.199	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	200	100	200	1.22	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 107 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (4-4.5) (H231740-34)

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	04/15/2023	ND	1.80	90.1	2.00	0.0933	
Toluene*	<0.050	0.050	04/15/2023	ND	1.93	96.5	2.00	1.48	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.01	101	2.00	0.762	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.09	101	6.00	0.570	
Total BTEX	<0.300	0.300	04/15/2023	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	3280	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (5-5.5) (H231740-35)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	QR-03
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	QR-03
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	QR-03
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	QR-03
Total BTEX	<0.300	0.300	04/15/2023	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	3760	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (6-6.5) (H231740-36)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	8080	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (7-7.5) (H231740-37)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	4400	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 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:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (8-8.5) (H231740-38)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	3200	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (9-9.5) (H231740-39)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	1250	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 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:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (10-10.5) (H231740-40)

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	04/15/2023	ND	1.99	99.5	2.00	0.980		
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52		
Total BTEX	<0.300	0.300	04/15/2023	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	672	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89		
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07		
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND						

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/12/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: S - 8 (11-11.5) (H231740-41)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	528	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 1 (0-.5) (H231740-42)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	448	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 2 (0-.5) (H231740-43)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 3 (0-.5) (H231740-44)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	208	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 4 (0-.5) (H231740-45)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	144	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 5 (0-.5) (H231740-46)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 6 (0-.5) (H231740-47)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 7 (0-.5) (H231740-48)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	320	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 8 (0-5) (H231740-49)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	464	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 9 (0-.5) (H231740-50)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	144	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 10 (0-.5) (H231740-51)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	336	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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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:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	MESCALERO	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: H - 11 (0-.5) (H231740-52)

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	04/15/2023	ND	1.99	99.5	2.00	0.980	
Toluene*	<0.050	0.050	04/15/2023	ND	2.19	109	2.00	0.947	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.23	111	2.00	0.891	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.98	116	6.00	1.52	
Total BTEX	<0.300	0.300	04/15/2023	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	368	16.0	04/17/2023	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	04/15/2023	ND	171	85.3	200	1.89	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	168	83.8	200	2.07	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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

BILL TO

ANALYSIS REQUEST

Company Name: NTG P.O. #:
 Project Manager: Robert Haskell Company:
 Address: 402 E Wood Ave Attn:
 City: Culbadd State: NM Zip: 88220
 Phone #: 505-924-8850 Fax #:
 Project #: 237067 Project Owner: EastStone
 Project Name: MesaLera City: State: Zip:
 Project Location: Lea County Phone #: Fax #:
 Sampler Name: Gayle Campbell FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE & TIME	SAMPLING										
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
<u>H231740</u>	<u>S-1 (0-S)</u>	<u>G</u>	<u>1</u>			<u>X</u>				<u>4/11</u>	<u>PH</u>										
	<u>S-2 (0-S)</u>																				
	<u>S-3 (0-S)</u>																				
	<u>S-3 (1-1.5)</u>																				
	<u>S-3 (2-2.5)</u>																				
	<u>S-4 (0-S)</u>																				
	<u>S-4 (1-1.5)</u>																				
	<u>S-4 (2-2.5)</u>																				
	<u>S-4 (3-3.5)</u>																				
	<u>S-4 (4-4.5)</u>																				

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Relinquished By: [Signature] Date: 4-12-23 Received By: [Signature] Date: 4-11
 Time: 1:41 Received By: [Signature]

Delivered By: (Circle One) Observed Temp. °C 1.2 Sample Condition: Cool Intact Yes No
 Sampler - UPS - Bus - Other: Corrected Temp. °C 0.6 No No
 CHECKED BY: [Signature] Turnaround Time: Standard Rush
 Thermometer ID #113 Bacteria (only) Cool Intact Yes No
 Correction Factor .05°C No No
 Observed Temp. °C Corrected Temp. °C

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTC Project Manager: Rodney Haskel Address: 4102 E Wood Ave City: Cuba State: NM Zip: 88220 Phone #: 432-924-8050 Fax #: Project #: 237067 Project Owner: EastStone Project Name: Mesquite Project Location: Los Country Sampler Name: Taylor Lehnball <small>FOR LAB USE ONLY</small>		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D.: A231740 Sample I.D.: 11 S-N (S-S.S) 12 S-N (6-6.S) 13 S-N (7-7.S) 14 S-N (8-8.S) 15 S-S (8-8.S) 14 S-S (8-8.S) 17 S-6 (0-.S) 18 S-6 (0-.S) 19 S-7 (0-.S) 20 S-7 (2-2.S)		BILL TO	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		ANALYSIS REQUEST	
DATE 4-11 4-11 4-11 4-11 4-11 4-11 4-11 4-11		TPH Chlorides BTEX	
Relinquished By: [Signature] Date: 4-12 Time: 1:41pm Received By: [Signature] Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: 1.2 Corrected Temp. °C: 0.6 Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: [Signature]		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #113 Correction Factor -0.5°C Bacteria (only) <input type="checkbox"/> Sample Condition: <input type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C:	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NRGE Project Manager: Bobby Haskell Address: 402 E Wood Ave City: Carlsbad State: NM Zip: 88220 Phone #: 505-924-8050 Fax #: _____ Project #: 237067 Project Owner: EastStone Project Name: Mescalero Project Location: Los Cañon Sampler Name: Taylor Leibel		P.O. #: _____ Company: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D.: H23174D Sample I.D.: _____		BILL TO ANALYSIS REQUEST	
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Retinquished By: <i>[Signature]</i> Date: 4-12-23 Received By: <i>[Signature]</i> Date: 4-11-23 Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: 1.2 Corrected Temp. °C: 0.6		Sample Condition: <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> Bacteria (only) Sample Condition Correction Factor -0.6°C <input type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
Date/Time: _____ Date/Time: _____		DATE/TIME: _____ DATE/TIME: _____	
(G)RAB OR (C)OMP: 6 # CONTAINERS: 1		ANALYSIS REQUEST: PH Chlorides BTEX	



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NRBE Project Manager: Bobby Hyskel Address: 4102 E Wood Ave City: Carlsbad State: NM zip: 88220 Phone #: 505-924-8856 Fax #: _____ Project #: 237067 Project Owner: EastStone Project Name: Mescalero Project Location: Len County Sampler Name: Tyler Lehnball		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D.: H231740 57 52		Sample I.D.: H-10 (o-s) H-11 (o-s)	
Date: 7-12-23 Received By: [Signature] Time: 1:41 Date: _____ Received By: _____ Relinquished By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: 1.2 Corrected Temp. °C: 0.6		Turnaround Time: _____ Standard <input checked="" type="checkbox"/> RUSH Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____	
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Matrix: <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____		Preservation: _____ Sampling: _____ DATED TIME: 4/27/24 11:11	
(G)RAB OR (C)OMP: G # CONTAINERS: 1		Analysis Request: PH Chlorides BTEX	



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

June 16, 2023

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

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 12:10.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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Analytical Results For:

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

Project: MESCALERO 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (2.5')	H232356-01	Soil	10-May-23 14:00	11-May-23 12:10
CS - 2 (2.5')	H232356-02	Soil	10-May-23 14:02	11-May-23 12:10
CS - 3 (2.5')	H232356-03	Soil	10-May-23 14:04	11-May-23 12:10
CS - 4 (2.5')	H232356-04	Soil	10-May-23 14:06	11-May-23 12:10
CS - 5 (2.5')	H232356-05	Soil	10-May-23 14:08	11-May-23 12:10
CS - 6 (10')	H232356-06	Soil	10-May-23 14:10	11-May-23 12:10
CS - 7 (10')	H232356-07	Soil	10-May-23 14:12	11-May-23 12:10
CS - 8 (2.5')	H232356-08	Soil	10-May-23 14:14	11-May-23 12:10
CS - 9 (5.5')	H232356-09	Soil	10-May-23 14:16	11-May-23 12:10
CS - 10 (2.5')	H232356-10	Soil	10-May-23 14:18	11-May-23 12:10
CS - 11 (2.5')	H232356-11	Soil	10-May-23 14:20	11-May-23 12:10
CS - 12 (1')	H232356-12	Soil	10-May-23 14:22	11-May-23 12:10
CS - 13 (1')	H232356-13	Soil	10-May-23 14:24	11-May-23 12:10
CS - 14 (1')	H232356-14	Soil	10-May-23 14:26	11-May-23 12:10
CS - 15 (1')	H232356-15	Soil	10-May-23 14:28	11-May-23 12:10
CS - 16 (1')	H232356-16	Soil	10-May-23 14:30	11-May-23 12:10
CS - 17 (2.5')	H232356-17	Soil	10-May-23 14:32	11-May-23 12:10
CS - 18 (1')	H232356-18	Soil	10-May-23 14:34	11-May-23 12:10
CS - 19 (2.5')	H232356-19	Soil	10-May-23 14:36	11-May-23 12:10
H - 12 (.5')	H232356-20	Soil	10-May-23 14:38	11-May-23 12:10
H - 13 (.5')	H232356-21	Soil	10-May-23 14:40	11-May-23 12:10
H - 14 (.5')	H232356-22	Soil	10-May-23 14:42	11-May-23 12:10
SW - 1 (0-2.5')	H232356-23	Soil	10-May-23 14:44	11-May-23 12:10
SW - 2 (0-2.5')	H232356-24	Soil	10-May-23 14:46	11-May-23 12:10
SW - 3 (0-2.5')	H232356-25	Soil	10-May-23 14:48	11-May-23 12:10
SW - 4 (2.5'-10')	H232356-26	Soil	10-May-23 14:50	11-May-23 12:10
SW - 5 (0-2.5')	H232356-27	Soil	10-May-23 14:52	11-May-23 12:10

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* = Accredited Analyte

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
--	---	------------------------------

SW - 6 (0-10')	H232356-28	Soil	10-May-23 14:54	11-May-23 12:10
SW - 7 (2.5-10')	H232356-29	Soil	10-May-23 14:56	11-May-23 12:10
SW - 8 (0-10')	H232356-30	Soil	10-May-23 14:58	11-May-23 12:10
SW - 9 (0-2.5')	H232356-31	Soil	10-May-23 15:00	11-May-23 12:10
SW - 10 (2.5'-5.5')	H232356-32	Soil	10-May-23 15:02	11-May-23 12:10
SW - 11 (0-2.5')	H232356-33	Soil	10-May-23 15:04	11-May-23 12:10
SW - 12 (0-5.5')	H232356-34	Soil	10-May-23 15:06	11-May-23 12:10
SW - 13 (2.5'-5.5')	H232356-35	Soil	10-May-23 15:08	11-May-23 12:10
SW - 14 (0-5.5')	H232356-36	Soil	10-May-23 15:10	11-May-23 12:10
SW - 15 (0-2.5')	H232356-37	Soil	10-May-23 15:12	11-May-23 12:10
SW - 16 (0-2.5')	H232356-38	Soil	10-May-23 15:14	11-May-23 12:10
SW - 17 (0-1')	H232356-39	Soil	10-May-23 15:16	11-May-23 12:10
SW - 18 (0-1')	H232356-40	Soil	10-May-23 15:18	11-May-23 12:10
SW - 19 (1'-2.5')	H232356-41	Soil	10-May-23 15:20	11-May-23 12:10
SW - 20 (0-2.5')	H232356-42	Soil	10-May-23 15:22	11-May-23 12:10

06/02/23 - Client changed the sample IDs for -20, -21 and -22 (see COC). This is the revised report and will replace the one sent on 05/12/23.

06/16/23 - Client changed the sample IDs for -28 and -30 (see COC). This is the 2nd revision of the report and will replace the one sent on 06/02/23.

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 1 (2.5')
H232356-01 (Soil)**

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

Chloride	112		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051126	JH	11-May-23	8021B	
--	--	--	-------	----------	--	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			111 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 2 (2.5')

H232356-02 (Soil)

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

Inorganic Compounds

Chloride	496		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 3 (2.5')

H232356-03 (Soil)

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

Inorganic Compounds

Chloride	656		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.8 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.2 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 4 (2.5')
H232356-04 (Soil)**

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

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	3051219	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.7 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 5 (2.5')

H232356-05 (Soil)

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

Inorganic Compounds

Chloride	272		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 6 (10')
H232356-06 (Soil)**

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.7 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 7 (10')
H232356-07 (Soil)**

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

Inorganic Compounds

Chloride	480		16.0	mg/kg	4	3051219	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.4 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 8 (2.5')

H232356-08 (Soil)

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

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			117 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 9 (5.5')
H232356-09 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3051219	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.9 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 10 (2.5')

H232356-10 (Soil)

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.9 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 11 (2.5')

H232356-11 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.6 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 12 (1')
H232356-12 (Soil)**

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

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.4 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %	49.1-148		3051133	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 13 (1')
H232356-13 (Soil)**

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.9 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			106 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 14 (1')
H232356-14 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			117 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 15 (1')
H232356-15 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		3051133	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			117 %	49.1-148		3051133	MS	11-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 16 (1')
H232356-16 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			116 %	49.1-148		3051133	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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CS - 17 (2.5')

H232356-17 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051126	JH	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051126	JH	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051126	JH	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051126	JH	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			107 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			118 %	49.1-148		3051133	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 18 (1')
H232356-18 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	QM-07
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			118 %	49.1-148		3051133	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**CS - 19 (2.5')
H232356-19 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			108 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051133	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**H - 12 (.5')
H232356-20 (Soil)**

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051133	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			112 %	48.2-134		3051133	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %	49.1-148		3051133	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**H - 13 (.5')
H232356-21 (Soil)**

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

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.6 %	48.2-134		3051134	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			122 %	49.1-148		3051134	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**H - 14 (.5')
H232356-22 (Soil)**

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.6 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 1 (0-2.5')

H232356-23 (Soil)

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

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			96.7 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			120 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 2 (0-2.5')
H232356-24 (Soil)**

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			97.8 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 3 (0-2.5')

H232356-25 (Soil)

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.1 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			122 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 4 (2.5'-10')

H232356-26 (Soil)

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

Inorganic Compounds

Chloride	192		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %		71.5-134	3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	11.2		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %		48.2-134	3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.5 %		49.1-148	3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 5 (0-2.5')

H232356-27 (Soil)

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

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	3051220	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			128 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 6 (0-10')
H232356-28 (Soil)**

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

Inorganic Compounds

Chloride	288		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.5 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 7 (2.5-10')
H232356-29 (Soil)**

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

Inorganic Compounds

Chloride	512		16.0	mg/kg	4	3051220	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.5 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 8 (0-10')
H232356-30 (Soil)**

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

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	QR-03
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.4 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			113 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 9 (0-2.5')
H232356-31 (Soil)**

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

Inorganic Compounds

Chloride	208		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %		71.5-134	3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.6 %		48.2-134	3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			122 %		49.1-148	3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 10 (2.5'-5.5')

H232356-32 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			124 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 11 (0-2.5')

H232356-33 (Soil)

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

Inorganic Compounds

Chloride	832		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.7 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 12 (0-5.5')
H232356-34 (Soil)**

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			130 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 13 (2.5'-5.5')

H232356-35 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			133 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 14 (0-5.5')

H232356-36 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			107 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			134 %	49.1-148		3051134	MS	12-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 15 (0-2.5')

H232356-37 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051136	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051136	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %	71.5-134		3051136	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			131 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 16 (0-2.5')
H232356-38 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %	71.5-134		3051137	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 17 (0-1')
H232356-39 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3051137	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3051134	MS	12-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			124 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 18 (0-1')
H232356-40 (Soil)**

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3051137	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051134	MS	12-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3051134	MS	12-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			129 %	49.1-148		3051134	MS	12-May-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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SW - 19 (1'-2.5')

H232356-41 (Soil)

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

Inorganic Compounds

Chloride	384		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3051137	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.1 %	48.2-134		3051120	MS	11-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	49.1-148		3051120	MS	11-May-23	8015B	
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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 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**SW - 20 (0-2.5')
H232356-42 (Soil)**

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

Inorganic Compounds

Chloride	<16.0		16.0	mg/kg	4	3051221	AC	12-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3051137	JH/	11-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3051137	JH/	11-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3051137	JH/	11-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3051120	MS	11-May-23	8015B	

Surrogate: 1-Chlorooctane			94.5 %	48.2-134		3051120	MS	11-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3051120	MS	11-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051219 - 1:4 DI Water

Blank (3051219-BLK1)				Prepared & Analyzed: 12-May-23						
Chloride	ND	16.0	mg/kg							
LCS (3051219-BS1)				Prepared & Analyzed: 12-May-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3051219-BSD1)				Prepared & Analyzed: 12-May-23						
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

Batch 3051220 - 1:4 DI Water

Blank (3051220-BLK1)				Prepared & Analyzed: 12-May-23						
Chloride	ND	16.0	mg/kg							
LCS (3051220-BS1)				Prepared & Analyzed: 12-May-23						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3051220-BSD1)				Prepared & Analyzed: 12-May-23						
Chloride	480	16.0	mg/kg	400		120	80-120	10.5	20	

Batch 3051221 - 1:4 DI Water

Blank (3051221-BLK1)				Prepared & Analyzed: 12-May-23						
Chloride	ND	16.0	mg/kg							
LCS (3051221-BS1)				Prepared & Analyzed: 12-May-23						
Chloride	432	16.0	mg/kg	400		108	80-120			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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**Inorganic Compounds - Quality Control
Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051221 - 1:4 DI Water

LCS Dup (3051221-BSD1)

Prepared & Analyzed: 12-May-23

Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
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Analytical Results For:

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

Project: MESCALERO 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:50

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051126 - Volatiles**Blank (3051126-BLK1)**

Prepared & Analyzed: 11-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

LCS (3051126-BS1)

Prepared & Analyzed: 11-May-23

Benzene	1.95	0.050	mg/kg	2.00		97.5	81.4-118			
Toluene	1.96	0.050	mg/kg	2.00		97.9	88.7-121			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.5	86.1-120			
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.8	88.2-124			
o-Xylene	1.94	0.050	mg/kg	2.00		97.0	84.9-118			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0505		mg/kg	0.0500		101	71.5-134			

LCS Dup (3051126-BSD1)

Prepared & Analyzed: 11-May-23

Benzene	2.17	0.050	mg/kg	2.00		109	81.4-118	10.8	15.8	
Toluene	2.17	0.050	mg/kg	2.00		109	88.7-121	10.4	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120	10.5	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	88.2-124	8.78	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.9-118	5.16	16.7	
Total Xylenes	6.36	0.150	mg/kg	6.00		106	87.3-122	7.60	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.5	71.5-134			

Batch 3051136 - Volatiles**Blank (3051136-BLK1)**

Prepared & Analyzed: 11-May-23

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

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Analytical Results For:

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

Project: Mescalero 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:50

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051136 - Volatiles**Blank (3051136-BLK1)**

Prepared & Analyzed: 11-May-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0545		mg/kg	0.0500		109	71.5-134			

LCS (3051136-BS1)

Prepared & Analyzed: 11-May-23

Benzene	1.89	0.050	mg/kg	2.00		94.6	81.4-118			
Toluene	1.93	0.050	mg/kg	2.00		96.7	88.7-121			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.9	86.1-120			
m,p-Xylene	3.96	0.100	mg/kg	4.00		99.0	88.2-124			
o-Xylene	1.95	0.050	mg/kg	2.00		97.7	84.9-118			
Total Xylenes	5.92	0.150	mg/kg	6.00		98.6	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

LCS Dup (3051136-BSD1)

Prepared & Analyzed: 11-May-23

Benzene	1.98	0.050	mg/kg	2.00		98.8	81.4-118	4.37	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	88.7-121	5.65	15.9	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	86.1-120	5.78	16	
m,p-Xylene	4.22	0.100	mg/kg	4.00		106	88.2-124	6.39	16.2	
o-Xylene	2.12	0.050	mg/kg	2.00		106	84.9-118	8.17	16.7	
Total Xylenes	6.34	0.150	mg/kg	6.00		106	87.3-122	6.98	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

Batch 3051137 - Volatiles**Blank (3051137-BLK1)**

Prepared & Analyzed: 11-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0532		mg/kg	0.0500		106	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051137 - Volatiles

LCS (3051137-BS1)

Prepared & Analyzed: 11-May-23

Benzene	1.94	0.050	mg/kg	2.00		96.8	81.4-118			
Toluene	1.99	0.050	mg/kg	2.00		99.7	88.7-121			
Ethylbenzene	1.92	0.050	mg/kg	2.00		95.9	86.1-120			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	88.2-124			
o-Xylene	1.92	0.050	mg/kg	2.00		95.8	84.9-118			
Total Xylenes	5.95	0.150	mg/kg	6.00		99.2	87.3-122			

Surrogate: 4-Bromofluorobenzene (PID)

0.0528 mg/kg 0.0500 106 71.5-134

LCS Dup (3051137-BSD1)

Prepared & Analyzed: 11-May-23

Benzene	2.09	0.050	mg/kg	2.00		104	81.4-118	7.46	15.8	
Toluene	2.14	0.050	mg/kg	2.00		107	88.7-121	6.86	15.9	
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	86.1-120	7.85	16	
m,p-Xylene	4.35	0.100	mg/kg	4.00		109	88.2-124	7.52	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.9-118	9.48	16.7	
Total Xylenes	6.46	0.150	mg/kg	6.00		108	87.3-122	8.16	16.3	

Surrogate: 4-Bromofluorobenzene (PID)

0.0513 mg/kg 0.0500 103 71.5-134

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Analytical Results For:

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

Project: MESCALERO 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:50

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051120 - General Prep - Organics**Blank (3051120-BLK1)**

Prepared & Analyzed: 11-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	37.7		mg/kg	49.6		76.2	48.2-134			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		86.1	49.1-148			

LCS (3051120-BS1)

Prepared & Analyzed: 11-May-23

GRO C6-C10	164	10.0	mg/kg	200		82.0	78.5-124			
DRO >C10-C28	168	10.0	mg/kg	200		83.8	72.5-126			
Total TPH C6-C28	332	10.0	mg/kg	400		82.9	77.6-123			
Surrogate: 1-Chlorooctane	41.1		mg/kg	49.6		83.0	48.2-134			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.5	49.1-148			

LCS Dup (3051120-BSD1)

Prepared & Analyzed: 11-May-23

GRO C6-C10	165	10.0	mg/kg	200		82.6	78.5-124	0.719	17.7	
DRO >C10-C28	164	10.0	mg/kg	200		81.8	72.5-126	2.41	21	
Total TPH C6-C28	329	10.0	mg/kg	400		82.2	77.6-123	0.849	18.5	
Surrogate: 1-Chlorooctane	42.5		mg/kg	49.6		85.7	48.2-134			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	49.1-148			

Batch 3051133 - General Prep - Organics**Blank (3051133-BLK1)**

Prepared & Analyzed: 11-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.9		mg/kg	49.6		98.7	48.2-134			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	49.1-148			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051133 - General Prep - Organics

LCS (3051133-BS1)		Prepared & Analyzed: 11-May-23								
GRO C6-C10	206	10.0	mg/kg	200	103	78.5-124				
DRO >C10-C28	192	10.0	mg/kg	200	95.8	72.5-126				
Total TPH C6-C28	397	10.0	mg/kg	400	99.3	77.6-123				
Surrogate: 1-Chlorooctane	52.3		mg/kg	49.6	106	48.2-134				
Surrogate: 1-Chlorooctadecane	63.0		mg/kg	50.0	126	49.1-148				

LCS Dup (3051133-BS1)		Prepared & Analyzed: 11-May-23								
GRO C6-C10	201	10.0	mg/kg	200	100	78.5-124	2.39	17.7		
DRO >C10-C28	181	10.0	mg/kg	200	90.3	72.5-126	5.87	21		
Total TPH C6-C28	381	10.0	mg/kg	400	95.3	77.6-123	4.05	18.5		
Surrogate: 1-Chlorooctane	54.8		mg/kg	49.6	111	48.2-134				
Surrogate: 1-Chlorooctadecane	62.5		mg/kg	50.0	125	49.1-148				

Batch 3051134 - General Prep - Organics

Blank (3051134-BLK1)		Prepared & Analyzed: 11-May-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	47.2		mg/kg	49.6	95.3	48.2-134				
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0	118	49.1-148				

LCS (3051134-BS1)		Prepared & Analyzed: 11-May-23								
GRO C6-C10	193	10.0	mg/kg	200	96.3	78.5-124				
DRO >C10-C28	219	10.0	mg/kg	200	109	72.5-126				
Total TPH C6-C28	412	10.0	mg/kg	400	103	77.6-123				
Surrogate: 1-Chlorooctane	51.3		mg/kg	49.6	103	48.2-134				
Surrogate: 1-Chlorooctadecane	62.3		mg/kg	50.0	125	49.1-148				

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:50
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Petroleum Hydrocarbons by GC FID - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3051134 - General Prep - Organics

LCS Dup (3051134-BSD1)

Prepared & Analyzed: 11-May-23

GRO C6-C10	185	10.0	mg/kg	200		92.4	78.5-124	4.13	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.6	72.5-126	9.44	21	
Total TPH C6-C28	384	10.0	mg/kg	400		96.0	77.6-123	6.92	18.5	
Surrogate: 1-Chlorooctane	52.0		mg/kg	49.6		105	48.2-134			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	49.1-148			

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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: A232356

Page 1 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments	
Program: UST/PS <input type="checkbox"/> PR <input type="checkbox"/> Brownfields <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:	Mescalero 7-6	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	237067	Due Date:	24HR		
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball				
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:			
Total Containers:	42	Corrected Temperature:			

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
CS-1 (2.5')	5.10.23	2:00PM	X		Comp	1	X	X	X	
CS-2 (2.5')	5.10.23	2:02PM	X		Comp	1	X	X	X	
CS-3 (2.5')	5.10.23	2:04PM	X		Comp	1	X	X	X	
CS-4 (2.5')	5.10.23	2:06PM	X		Comp	1	X	X	X	
CS-5 (2.5')	5.10.23	2:08PM	X		Comp	1	X	X	X	
CS-6 (10')	5.10.23	2:10PM	X		Comp	1	X	X	X	
CS-7 (10')	5.10.23	2:12PM	X		Comp	1	X	X	X	
CS-8 (2.5')	5.10.23	2:14PM	X		Comp	1	X	X	X	
CS-9 (5.5')	5.10.23	2:16PM	X		Comp	1	X	X	X	
CS-10 (2.5')	5.10.23	2:18PM	X		Comp	1	X	X	X	

Additional Comments: Billing Code: EAROPEMTX

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		5-11-23 1210			



Chain of Custody

Work Order No:

A232356

Page 2 of 5

Project Manager: Becky Haskell
 Company Name: NTG Environmental
 Address: 701 Tradewinds Blvd.
 City, State ZIP: Midland TX, 79701
 Phone: 432-786-1918
 Email: cmartin@earthstoneenergy.com

Bill to: (if different) Chris Martin
 Company Name: Earthstone Operating LLC
 Address: 600 N. Marientfeld, Suite 1000
 City, State ZIP: Midland TX, 79701

Work Order Comments
 Program: UST/PS PR Brownfields R Superfund
 State of Project:
 Reporting: Level Level PST/U TR L
 Deliverables: EDD ADAP Other:

Project Name: Mescalero 7-6
 Project Number: 237067
 Project Location: Lea County
 Sampler's Name: Tyler Kimball
 PO #: **SAMPLE RECEIPT**

Turn Around: Routine Rush
 Due Date: 24HR
 TAT starts the day received by the lab, if received by 4:30pm

Received In tact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Total Containers: 42

Temp Blank: Yes No
 Wet Ice: Yes No
 Thermometer ID: 713
 Correction Factor: -0.6°C
 Temperature Reading: 0.3°C
 Corrected Temperature: -0.3°C

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
CS-11 (2.5')	5.10.23	2:20PM	X		Comp	1	BTEX 8021B		None: NO	
CS-12 (1')	5.10.23	2:22PM	X		Comp	1	TPH 8015M (GRO + DRO + MRO)		DI Water: H ₂ O	
CS-13 (1')	5.10.23	2:24PM	X		Comp	1	Chloride 4500		Cool: Cool	MeOH: Me
CS-14 (1')	5.10.23	2:26PM	X		Comp	1			HCL: HC	HNO ₃ : HN
CS-15 (1')	5.10.23	2:28PM	X		Comp	1			H ₂ SO ₄ : H ₂	NaOH: Na
CS-16 (1')	5.10.23	2:30PM	X		Comp	1			H ₃ PO ₄ : HP	
CS-17 (2.5')	5.10.23	2:32PM	X		Comp	1			NaHSO ₄ : NABIS	
CS-18 (1')	5.10.23	2:34PM	X		Comp	1			Na ₂ S ₂ O ₅ : NaSO ₃	
CS-19 (2.5')	5.10.23	2:36PM	X		Comp	1			Zn Acetate+NaOH: Zn	
H-12 (2.5')	5.10.23	2:38PM	X		Comp	1			NaOH+Ascorbic Acid: SAPC	

Additional Comments: Billing Code: EAROPEMTX
 * Customer requested ID change re. 6/1/23

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		5-11-23 1210			

Received by OCD: 8/19/2023 12:00:09 AM

Revised Date: 05/12/2020 Rev. 2020.1



Chain of Custody

Work Order No: H232356

Page 5 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marlenfield, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Program:	UST/PSI <input type="checkbox"/> PR <input type="checkbox"/> Brownfield <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TRP <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Mescalero 7-6	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	237067	Due Date:	24HR		
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball				
PO #:					
SAMPLE RECEIPT					
Received Inact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Correction Factor:			-0.16°C
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temperature Reading:			0.3°C
Total Containers:	42	Corrected Temperature:			-0.3°C

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters														
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500									Sample Comments			
SW-19 (1'-2.5')	5.10.23	3:20PM	X		Comp	1	X	X	X												
SW-20 (0-2.5')	5.10.23	3:22PM	X		Comp	1	X	X	X												

Additional Comments: Billing Code: EAROPEMTX

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<i>[Signature]</i>	<i>[Signature]</i>	5-11-23 1210			



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

June 16, 2023

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

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/02/23 14:45.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW 11 A (0-5.5)	H232811-01	Soil	02-Jun-23 13:00	02-Jun-23 14:45
SW 21 (2.5-4.5)	H232811-02	Soil	02-Jun-23 13:02	02-Jun-23 14:45
CS - 3 A (4.5)	H232811-03	Soil	02-Jun-23 13:04	02-Jun-23 14:45
CS - 20 (5.5)	H232811-04	Soil	02-Jun-23 13:06	02-Jun-23 14:45
CS - 21 (2.5)	H232811-05	Soil	02-Jun-23 13:08	02-Jun-23 14:45
CS - 22 (2.5)	H232811-06	Soil	02-Jun-23 13:10	02-Jun-23 14:45
CS - 23 (5.5)	H232811-07	Soil	02-Jun-23 13:12	02-Jun-23 14:45
SW - 22 (2.5-5.5)	H232811-08	Soil	02-Jun-23 13:14	02-Jun-23 14:45

06/16/23 - Client changed some of the sample depths (see COC). This is the revised report and will replace the one sent on 06/05/23.

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**SW 11 A (0-5.5)
H232811-01 (Soil)**

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

Chloride	176		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3060228	MS	02-Jun-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
Surrogate: 1-Chlorooctane			87.5 %	48.2-134		3060225	MS	03-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			90.4 %	49.1-148		3060225	MS	03-Jun-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**SW 21 (2.5-4.5)
H232811-02 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.5 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			90.7 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**CS - 3 A (4.5)
H232811-03 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.7 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.6 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**CS - 20 (5.5)
H232811-04 (Soil)**

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

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			88.2 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.7 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**CS - 21 (2.5)
H232811-05 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	02-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	02-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3060228	MS	02-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	16.2		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			106 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**CS - 22 (2.5)
H232811-06 (Soil)**

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

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.9 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			93.1 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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**CS - 23 (5.5)
H232811-07 (Soil)**

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.4 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.5 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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SW - 22 (2.5-5.5)

H232811-08 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3060526	AC	05-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060228	MS	03-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060228	MS	03-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3060228	MS	03-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060225	MS	03-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.9 %	48.2-134		3060225	MS	03-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.7 %	49.1-148		3060225	MS	03-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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Inorganic Compounds - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060526 - 1:4 DI Water										
Blank (3060526-BLK1)										
Prepared & Analyzed: 05-Jun-23										
Chloride	ND	16.0	mg/kg							
LCS (3060526-BS1)										
Prepared & Analyzed: 05-Jun-23										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3060526-BSD1)										
Prepared & Analyzed: 05-Jun-23										
Chloride	448	16.0	mg/kg	400		112	80-120	7.41	20	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060228 - Volatiles

Blank (3060228-BLK1)

Prepared & Analyzed: 02-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

LCS (3060228-BS1)

Prepared & Analyzed: 02-Jun-23

Benzene	2.32	0.050	mg/kg	2.00		116	81.4-118			
Toluene	2.29	0.050	mg/kg	2.00		115	88.7-121			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	86.1-120			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	88.2-124			
o-Xylene	2.17	0.050	mg/kg	2.00		109	84.9-118			
Total Xylenes	6.77	0.150	mg/kg	6.00		113	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0487		mg/kg	0.0500		97.4	71.5-134			

LCS Dup (3060228-BSD1)

Prepared & Analyzed: 02-Jun-23

Benzene	2.32	0.050	mg/kg	2.00		116	81.4-118	0.224	15.8	
Toluene	2.30	0.050	mg/kg	2.00		115	88.7-121	0.210	15.9	
Ethylbenzene	2.23	0.050	mg/kg	2.00		111	86.1-120	0.158	16	
m,p-Xylene	4.56	0.100	mg/kg	4.00		114	88.2-124	0.838	16.2	
o-Xylene	2.14	0.050	mg/kg	2.00		107	84.9-118	1.60	16.7	
Total Xylenes	6.69	0.150	mg/kg	6.00		112	87.3-122	1.08	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500		98.9	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:39
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060225 - General Prep - Organics

Blank (3060225-BLK1)			Prepared & Analyzed: 02-Jun-23							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	35.4		mg/kg	49.6		71.5	48.2-134			
Surrogate: 1-Chlorooctadecane	36.2		mg/kg	50.0		72.5	49.1-148			

LCS (3060225-BS1)			Prepared & Analyzed: 02-Jun-23							
GRO C6-C10	167	10.0	mg/kg	200		83.6	78.5-124			
DRO >C10-C28	175	10.0	mg/kg	200		87.7	72.5-126			
Total TPH C6-C28	343	10.0	mg/kg	400		85.7	77.6-123			
Surrogate: 1-Chlorooctane	42.2		mg/kg	49.6		85.1	48.2-134			
Surrogate: 1-Chlorooctadecane	41.8		mg/kg	50.0		83.6	49.1-148			

LCS Dup (3060225-BSD1)			Prepared & Analyzed: 02-Jun-23							
GRO C6-C10	164	10.0	mg/kg	200		81.8	78.5-124	2.23	17.7	
DRO >C10-C28	169	10.0	mg/kg	200		84.7	72.5-126	3.51	21	
Total TPH C6-C28	333	10.0	mg/kg	400		83.2	77.6-123	2.88	18.5	
Surrogate: 1-Chlorooctane	40.6		mg/kg	49.6		82.0	48.2-134			
Surrogate: 1-Chlorooctadecane	40.1		mg/kg	50.0		80.3	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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June 16, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MESCALERO 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 14:39.

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

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

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Project: MESCALERO 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:43

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 24 (15')	H232868-01	Soil	06-Jun-23 12:00	06-Jun-23 14:39
CS - 25 (15')	H232868-02	Soil	06-Jun-23 12:02	06-Jun-23 14:39
CS - 26 (15')	H232868-03	Soil	06-Jun-23 12:04	06-Jun-23 14:39
CS - 27 (15')	H232868-04	Soil	06-Jun-23 12:06	06-Jun-23 14:39
CS - 28 (15')	H232868-05	Soil	06-Jun-23 12:08	06-Jun-23 14:39
CS - 29 (2.5')	H232868-06	Soil	06-Jun-23 12:10	06-Jun-23 14:39
CS - 30 (2.5')	H232868-07	Soil	06-Jun-23 12:12	06-Jun-23 14:39
SW - 23 (1-2.5')	H232868-08	Soil	06-Jun-23 12:14	06-Jun-23 14:39
SW - 24 (0-15')	H232868-09	Soil	06-Jun-23 12:16	06-Jun-23 14:39
SW - 25 (0-15')	H232868-10	Soil	06-Jun-23 12:18	06-Jun-23 14:39
SW - 26 (0-15')	H232868-11	Soil	06-Jun-23 12:20	06-Jun-23 14:39
SW - 27 (0-15')	H232868-12	Soil	06-Jun-23 12:22	06-Jun-23 14:39
SW - 28 (0-15')	H232868-13	Soil	06-Jun-23 12:24	06-Jun-23 14:39
SW - 29 (0-15')	H232868-14	Soil	06-Jun-23 12:26	06-Jun-23 14:39
SW - 30 (0-15')	H232868-15	Soil	06-Jun-23 12:28	06-Jun-23 14:39
SW - 31 (0-2.5')	H232868-16	Soil	06-Jun-23 12:30	06-Jun-23 14:39
SW - 32 (2.5-15')	H232868-17	Soil	06-Jun-23 12:32	06-Jun-23 14:39

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

06/16/23 - Client changed sample IDs (see COC). This is the 2nd revision of the report and will replace the one sent on 06/09/23.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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**CS - 24 (15')
H232868-01 (Soil)**

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3060621	MS	06-Jun-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
Surrogate: 1-Chlorooctane			110 %	48.2-134		3060629	MS	06-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1-148		3060629	MS	06-Jun-23	8015B	

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 25 (15')

H232868-02 (Soil)

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

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.7 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.4 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 26 (15')

H232868-03 (Soil)

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

Inorganic Compounds

Chloride	320		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.5 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 27 (15')

H232868-04 (Soil)

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

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.4 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.6 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 28 (15')

H232868-05 (Soil)

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

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.6 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.5 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 29 (2.5')

H232868-06 (Soil)

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3060621	MS	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			76.8 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.9 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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CS - 30 (2.5')

H232868-07 (Soil)

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	07-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3060621	MS	07-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			77.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			78.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 23 (1-2.5')

H232868-08 (Soil)

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

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060621	MS	07-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060621	MS	07-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3060621	MS	07-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			86.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 24 (0-15')

H232868-09 (Soil)

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

Inorganic Compounds

Chloride	256		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.6 %		48.2-134	3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			74.4 %		49.1-148	3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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**SW - 25 (0-15')
H232868-10 (Soil)**

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

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			110 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.1 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			84.5 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MESCALERO 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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**SW - 26 (0-15')
H232868-11 (Soil)**

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

Inorganic Compounds

Chloride	576		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.5 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.3 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 27 (0-15')

H232868-12 (Soil)

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.4 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.3 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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**SW - 28 (0-15')
H232868-13 (Soil)**

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

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.2 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.8 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 29 (0-15')

H232868-14 (Soil)

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

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.8 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			89.1 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 30 (0-15')

H232868-15 (Soil)

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

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.6 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 31 (0-2.5')

H232868-16 (Soil)

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

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.7 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.7 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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SW - 32 (2.5-15')

H232868-17 (Soil)

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

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	3060707	AC	07-Jun-23	4500-CI-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3060624	JH/	06-Jun-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3060624	JH/	06-Jun-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		3060624	JH/	06-Jun-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3060629	MS	06-Jun-23	8015B	

Surrogate: 1-Chlorooctane			89.7 %	48.2-134		3060629	MS	06-Jun-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.2 %	49.1-148		3060629	MS	06-Jun-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3060707 - 1:4 DI Water										
Blank (3060707-BLK1)										
Prepared & Analyzed: 07-Jun-23										
Chloride	ND	16.0	mg/kg							
LCS (3060707-BS1)										
Prepared & Analyzed: 07-Jun-23										
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (3060707-BSD1)										
Prepared & Analyzed: 07-Jun-23										
Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	

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Analytical Results For:

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

Project: MESCALERO 7-6
Project Number: 237067
Project Manager: BECKY HASKELL
Fax To:

Reported:
16-Jun-23 11:43

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060621 - Volatiles**Blank (3060621-BLK1)**

Prepared & Analyzed: 06-Jun-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

LCS (3060621-BS1)

Prepared & Analyzed: 06-Jun-23

Benzene	2.38	0.050	mg/kg	2.00		119	81.4-118			BS-3
Toluene	2.36	0.050	mg/kg	2.00		118	88.7-121			
Ethylbenzene	2.30	0.050	mg/kg	2.00		115	86.1-120			
m,p-Xylene	4.73	0.100	mg/kg	4.00		118	88.2-124			
o-Xylene	2.26	0.050	mg/kg	2.00		113	84.9-118			
Total Xylenes	6.99	0.150	mg/kg	6.00		116	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

LCS Dup (3060621-BSD1)

Prepared & Analyzed: 06-Jun-23

Benzene	2.53	0.050	mg/kg	2.00		127	81.4-118	6.34	15.8	BS-3
Toluene	2.49	0.050	mg/kg	2.00		125	88.7-121	5.49	15.9	BS-3
Ethylbenzene	2.45	0.050	mg/kg	2.00		122	86.1-120	6.32	16	BS-3
m,p-Xylene	5.04	0.100	mg/kg	4.00		126	88.2-124	6.48	16.2	BS-3
o-Xylene	2.42	0.050	mg/kg	2.00		121	84.9-118	6.75	16.7	BS-3
Total Xylenes	7.46	0.150	mg/kg	6.00		124	87.3-122	6.57	16.3	BS-3
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		100	71.5-134			

Batch 3060624 - Volatiles**Blank (3060624-BLK1)**

Prepared & Analyzed: 06-Jun-23

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

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060624 - Volatiles

Blank (3060624-BLK1)

Prepared & Analyzed: 06-Jun-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0555		mg/kg	0.0500		111	71.5-134			

LCS (3060624-BS1)

Prepared & Analyzed: 06-Jun-23

Benzene	2.13	0.050	mg/kg	2.00		107	81.4-118			
Toluene	2.13	0.050	mg/kg	2.00		106	88.7-121			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	86.1-120			
m,p-Xylene	4.42	0.100	mg/kg	4.00		110	88.2-124			
o-Xylene	2.17	0.050	mg/kg	2.00		108	84.9-118			
Total Xylenes	6.59	0.150	mg/kg	6.00		110	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	71.5-134			

LCS Dup (3060624-BSD1)

Prepared & Analyzed: 06-Jun-23

Benzene	2.25	0.050	mg/kg	2.00		113	81.4-118	5.60	15.8	
Toluene	2.27	0.050	mg/kg	2.00		114	88.7-121	6.54	15.9	
Ethylbenzene	2.35	0.050	mg/kg	2.00		117	86.1-120	5.34	16	
m,p-Xylene	4.64	0.100	mg/kg	4.00		116	88.2-124	5.04	16.2	
o-Xylene	2.29	0.050	mg/kg	2.00		115	84.9-118	5.50	16.7	
Total Xylenes	6.94	0.150	mg/kg	6.00		116	87.3-122	5.19	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Mescalero 7-6 Project Number: 237067 Project Manager: BECKY HASKELL Fax To:	Reported: 16-Jun-23 11:43
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3060629 - General Prep - Organics

Blank (3060629-BLK1)		Prepared & Analyzed: 06-Jun-23								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	37.9		mg/kg	49.6		76.6	48.2-134			
Surrogate: 1-Chlorooctadecane	39.2		mg/kg	50.0		78.5	49.1-148			

LCS (3060629-BS1)		Prepared & Analyzed: 06-Jun-23								
GRO C6-C10	184	10.0	mg/kg	200		92.1	78.5-124			
DRO >C10-C28	181	10.0	mg/kg	200		90.5	72.5-126			
Total TPH C6-C28	365	10.0	mg/kg	400		91.3	77.6-123			
Surrogate: 1-Chlorooctane	42.4		mg/kg	49.6		85.7	48.2-134			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.7	49.1-148			

LCS Dup (3060629-BSD1)		Prepared & Analyzed: 06-Jun-23								
GRO C6-C10	162	10.0	mg/kg	200		80.9	78.5-124	12.9	17.7	
DRO >C10-C28	159	10.0	mg/kg	200		79.3	72.5-126	13.2	21	
Total TPH C6-C28	320	10.0	mg/kg	400		80.1	77.6-123	13.0	18.5	
Surrogate: 1-Chlorooctane	37.4		mg/kg	49.6		75.6	48.2-134			
Surrogate: 1-Chlorooctadecane	41.5		mg/kg	50.0		83.0	49.1-148			

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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: N-CE Project Manager: Bobby Hoshel Address: 462 E Wind Ave City: CANLbhd State: NM Zip: 88220 Phone #: 432-924-8854 Fax #: Project #: 237067 Project Owner: Eastman Project Name: Mescalero Project Location: La County Sampler Name: Tyler Lamball		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: 	
BILL TO			
ANALYSIS REQUEST			
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Lab I.D. H232868 1 2 3 4 5 6 7 8 9 10	Sample I.D. * (S-24 (15')) (S-25 (15')) (S-26 (15')) (S-27 (15')) (S-28 (15')) (S-29 (2.5')) (S-30 (2.5')) (S-23 (1-2.5')) (S-24 (0-15')) (S-25 (0-15'))	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME TYPH Chlorides BTEX
Relinquished By: [Signature] Date: 6-6-23 Time: 8:54	Received By: [Signature] Date: 6-6-23 Time: 8:54	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results emailed. Please provide Email address:	REMARKS: * Customer requested ID changes Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #113 Correction Factor -0.6°C Bacteria (only) <input type="checkbox"/> <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> <input checked="" type="checkbox"/> Sample Condition <input type="checkbox"/> <input checked="" type="checkbox"/> Observed Temp. °C 3.5 Corrected Temp. °C 2.9



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTG Project Manager: Betsy Anshel Address: 4821 E Wood Ave City: Carlsbad State/Zip: 88220 Phone #: 432-924-8056 Fax #: _____ Project #: 237067 Project Owner: Earth Share Project Name: Mesquite Project Location: Lee County Sampler Name: Tyler Kumbal		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY Lab I.D. H232868		Sample I.D.	
(G)RAB OR (C)OMP.		# CONTAINERS	
MATRIX GROUNDWATER WASTEWATER SOIL <input checked="" type="checkbox"/> OIL SLUDGE OTHER:		PRESERV. ACID/BASE: ICE / COOL <input checked="" type="checkbox"/> OTHER:	
DATE		SAMPLING	
TIME		ANALYSIS REQUEST	
REMARKS: * Customer requested ID changes. To: 6/19/23		Verbal Results: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	DATE	TIME	ANALYSIS REQUEST
	SW-26 (0-15')	*	1	SOIL <input checked="" type="checkbox"/>	ICE / COOL <input checked="" type="checkbox"/>	6-1-23	12:20	PIT Chlorides BTEX
	SW-27 (0-15')		1				12:22	
	SW-28 (0-15')		1				12:24	
	SW-25 (0-15')		1				12:26	
	SW-30 (0-15')		1				12:28	
	SW-31 (0-2.5')	*	1				12:30	
	SW-32 (2-5-15')	*	1				12:32	

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Relinquished By: *[Signature]* Date: **6-1-23** Time: **2:38**
 Received By: *[Signature]* Date: _____ Time: _____
 Relinquished By: *[Signature]* Date: _____ Time: _____
 Received By: *[Signature]* Date: _____ Time: _____

Delivered By: (Circle One) Observed Temp. °C **35** Sample Condition Cool Intact Yes No
 Corrected Temp. °C **2.9** Ice / Cool Yes No
 Checked By: *[Signature]*
 Turnaround Time: **Standard** Bacteria (only) Sample Condition Cool Intact Yes No
 Thermometer ID #113 **Rush** Bacteria (only) Sample Condition Cool Intact Yes No
 Correction Factor -0.6°C **24hrs** Bacteria (only) Sample Condition Cool Intact Yes No
 Corrected Temp. °C _____



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

June 13, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: Mescalero 7-6

Enclosed are the results of analyses for samples received by the laboratory on 06/12/23 12:22.

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:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: CS - 31 (15') (H232989-01)

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	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	448	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: CS - 32 (2.5') (H232989-02)

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	06/13/2023	ND	2.02	101	2.00	7.65		
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85		
Total BTEX	<0.300	0.300	06/13/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74		
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31		
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: CS - 33 (2.5') (H232989-03)

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	06/13/2023	ND	2.02	101	2.00	7.65		
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62		
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32		
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85		
Total BTEX	<0.300	0.300	06/13/2023	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	512	16.0	06/12/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74		
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31		
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND						

Surrogate: 1-Chlorooctane 114 % 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:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SW - 33 (0-15') (H232989-04)

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	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	144	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 113 % 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:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SW - 34 (0-15') (H232989-05)

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SW - 35 (0-15') (H232989-06)

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	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	144	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/12/2023	Sampling Date:	06/12/2023
Reported:	06/13/2023	Sampling Type:	Soil
Project Name:	MESCALERO 7-6	Sampling Condition:	Cool & Intact
Project Number:	237067	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY		

Sample ID: SW - 36 (5.5-10') (H232989-07)

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	06/13/2023	ND	2.02	101	2.00	7.65	
Toluene*	<0.050	0.050	06/13/2023	ND	2.03	101	2.00	7.62	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.09	104	2.00	8.32	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.23	104	6.00	7.85	
Total BTEX	<0.300	0.300	06/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/12/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2023	ND	167	83.7	200	4.74	
DRO >C10-C28*	<10.0	10.0	06/12/2023	ND	173	86.6	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	06/12/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTSOZ Project Manager: Bethany Husher Address: 422 E. Wind Ave. City: Carlsbad State: NM Zip: 88520 Phone #: 432 924 8056 Fax #: Project #: 237067 Project Owner: Earthstone Project Name: Mesalero Project Location: Lea County Sampler Name: Tyler Kimball		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Lab I.D. H232889 1 234567	Sample I.D. CS-31 (2.5') CS-32 (2.5') CS-33 (2.5') SW-33 (0-15') SW-34 (0-15') SW-35 (0-15') SW-36 (5.5-10')	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING	DATE TIME	TPH Chlorides BTEX
Date: 6-12-23 Time: 12:22 Relinquished By: [Signature]		Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 36 Corrected Temp. °C: 30		Sample Condition Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) [Signature]	

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 254406

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 254406
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	12/4/2023