

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2228027933
District RP	D-17-22S-35E
Facility ID	30-025-34820
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) nAPP2228027933
Contact mailing address	

Location of Release Source

Latitude 32.391024 _____ Longitude -103.3959656 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Antler 17 State #001	Site Type Tank Battery
Date Release Discovered 10/06/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
D	17	22S	35E	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) 113	Volume Recovered (bbls) 10
	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:

Corrosion to a dump valve causing the release of approximately 113 bbls of produced water which soaked the pad. Approximately 10 bbls were recovered.


State of New Mexico
Oil Conservation Division

Incident ID	nAPP2228027933
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? 113 bbls of produced water was released.
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>Jeffrey Kindley</u>	Title: <u>Senior Project Manager/Professional Geologist</u>
Signature: <u></u>	Date: <u>2/20/23</u>
email: <u>jkindley@ntglobal.com</u>	Telephone: <u>(432) 230-0920</u>
<u>OCD Only</u>	
Received by: _____	Date: _____



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

February 20, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 1
1625 N French Drive
Hobbs, New Mexico 88210

**Re: Site Characterization and Closure Request
Antler State 17 #001
Earthstone Operating, LLC
Site Location: Unit D, S17, T22S, R35E
(Lat 32.391024°, Long -103.3959656°)
Lea County, New Mexico
Incident ID: nAPP2228027933**

1. Introduction

On behalf of Permian Resources (Permian), formerly Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Closure Report for the New Mexico Oil Conservation Division (NMOCD) District 1 Office in Hobbs, New Mexico for documentation of site assessment, remedial action activities, and analysis at the Antler State 17 #001 (Site). The Site is located within Unit Letter D, Section 17 of Township 22 South and Range 35 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.391024° N latitude and -103.3959656° W Longitude. The release occurred on land owned by the State of New Mexico. Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

2. Background

Based on the Notice Of Release (NOR) obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on October 6, 2022, as the result of corrosion on a dump valve. Approximately one hundred and thirteen (113) barrels (bbls) of produced water were released of which approximately ten (10) bbls of the produced water were recovered for a net loss of one hundred and three (103) bbls of produced water. Upon discovery, the well was shut-in, and area secured with free liquids removed via a vacuum truck. The release footprint is shown on Figure 3. The Release Notification of Form C-141 for incident number nAPP2228027933 is attached to the front of this report.

3. Groundwater and Site Characterization

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

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February 20, 2024
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Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, no groundwater well exists within a ½-mile radius of the site. The nearest water well is 1.60 miles south-southeast of the site and was last gauged for depth to water in 1996 with groundwater at approximately 78.75 feet below ground surface (ft bgs). According to the Karst map, the site is located within a low Karst area. The Site characterization documentation (NM Oil and Gas Map, Points of Diversion, Significant Watercourse Map, Wetlands Map, and FEMA Map) is provided as Attachment A.

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	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)	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. Soil Delineation Activities and Analytical Results

On July 14, 2023, NTGE was on-site to conduct an initial delineation assessment whereby twenty (20) surficial sampling points (S-1 through S-8 and H-9 through H-20) were installed to assess the extent of contamination within the area. The samples were collected from the surface with a geotechnical hand auger. The samples were submitted to Cardinal Laboratories (Cardinal) of Hobbs New Mexico for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015M, and chlorides by EPA Method SM4500Cl-B. Analysis indicated that S-1 through S-8, H-10 and H-12 exceeded the chloride limits for the Table I Closure Criteria at the surface level, while S-5 exceeded the TPH limits at the surface level for the Table I Closure Criteria. Figure 3 depicts the initial delineation sample locations, with analytical results provided on Table 1, Summary of Soil Analytical Data, Laboratory reports are included in Appendix D.

On August 2, 2023, NTGE was on-site to conduct further delineation, whereby ten (10) vertical sample points (S-1 through S-8, S-10 and S-12) and one (1) horizontal sample (H-10A) was collected from depths ranging from surface to 4 ft bgs with a geotechnical hand auger. The samples were submitted to Cardinal of Hobbs, New Mexico, for analysis of BTEX, TPH, and chloride.

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5. Remedial Action Activities and Confirmation Sampling

Based on the initial assessment results, Standard Safety and Supply (Standard), mobilized to the site to begin remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. All confirmation samples were five (5) point composite samples, collected from areas representing no more than two hundred (200) square feet for both bottom and sidewalls. The samples were submitted to Cardinal for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, and chlorides by EPA Method SM4500CI-B.

Upon completion of initial excavation activities, NTGE was on site September 15, 2023, to collect forty (40) base composite samples (CS-1 through CS-40) and eight (8) sidewall samples (SW-1 through SW-8) from ranging from one (1) to six (6) ft bgs and submitted the samples to the lab for analysis. Analysis indicated that CS-1, CS-3, and CS-4 exhibited TPH concentration above Table I Closure Criteria, while CS-14, CS16 through CS-18, CS-21, CS-38, SW-2, SW-4, and SW-7 exhibited chloride concentrations above Table I Closure Criteria. Further excavation activities were required.

NTGE was on site September 26, 2023, to collect eight (8) additional confirmation samples (CS-41 through CS-48) and seventeen (17) sidewall samples (SW-2A, SW-4A, SW-6A, SW-7A, SW-8A, and SW-9 through SW-20) at depths ranging from zero (0) to four (4) ft bgs. The samples were submitted to the Cardinal lab for analysis. Analytical data indicated that CS-44 through CS-47, SW-7A, SW-8A, SW-9, SW-12 through SW-14, SW-16, and SW-19 exhibited TPH and/or chloride concentrations above Table I Closure Criteria.

NTGE returned to the site on September 29, 2023 to collect fifteen (15) confirmation samples (CS-1A, CS-3A, CS-4A, CS-14A through CS-17A, CS-21A, CS-22A, CS-38A, CS-44A, CS-45A, CS-47A, CS-49 and CS-50) and ten (10) sidewall samples (SW-8B, SW-9A, SW-12A through SW-14A, SW-16A, SW-19A, SW-21 through SW-23) at depths ranging from zero (0) to six (6) ft bgs. The samples were submitted to the Cardinal Lab for analysis. Analytical data indicated that CS-3, CS-14A through CS-17A, CS-49, CS-50, SW-9, SW-12A, SW-13A, and SW-21 exhibited TPH and/or chloride concentrations above Table I Closure Criteria.

NTGE was onsite October 2, 2023, to collect two (2) confirmation samples (CS-18A and CS-46A) and two (2) sidewall samples (SW-7B and SW-24). The samples were submitted to Cardinal Labs for analysis. Analytical results indicated all samples exhibited BTEX, TPH, and chloride concentration below the Table I Closure Criteria.

NTGE was on site October 6, 2023, to collect four (4) confirmation samples (CS-49A, CS-51, CS-52, and CS-54) at depths ranging from two (2) ft bgs to six (6) ft bgs and were submitted to the Cardinal Lab for analysis. Analytical results indicated all samples exhibited BTEX, TPH, and chloride concentration below the Table I Closure Criteria.

NTGE returned to the site October 12, 2023 to collect seven (7) confirmation samples (CS-14B through CS-17B, CS-50A, CS-53, and CS-55) at depths ranging from six (6) to eight (8) ft bgs and sixteen (16) sidewall samples (SW-1A, SW-12B through SW-14B, SW-16B, SW-20A, SW-21A, SW-25 through SW-28, SW-31 through SW-36) at depths ranging from

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zero (0) to eight (8) ft bgs. The samples were submitted to the Cardinal Lab for analysis. Analytical results indicated that SW-1A exceeded the Table I Closure Criteria for chlorides. No other samples exhibited concentrations above Table I Closure Criteria. Further excavation activities were required.

NTGE was on site October 16, 2023, to collect two (2) sidewall samples (SW-1B and SW-9B) which were submitted to Cardinal Lab for analysis. Analytical results indicated all concentrations were below the Table I Closure Criteria.

After further excavation activities, NTGE returned to the site October 19, 2023, to collect four (4) confirmation samples (CS-3B, CS-56 through CS-58) and four (4) sidewall samples (SW-15A, SW-18A, SW-29 and SW-30). The samples were submitted to Cardinal Lab for analysis. Analytical results indicated that CS-3B exceeded the Table I Closure Criteria for chloride at six (6) ft bgs.

On October 25, 2023, NTGE returned to the site to collect one (1) confirmation sample (CS-3C) along with three (3) sidewall samples (SW-37 through SW-39) at depths ranging from surface to six and one half (6.5) ft bgs. The samples were submitted to Cardinal Lab for analysis. Analytical results indicated that all sample concentrations were below the Table I Closure Criteria for all analytes. See Table 2 for the analytical results and Figure 4 for the confirmation sampling locations. Laboratory Analytical Reports are provided in Appendix D. A photographic log is provided as Appendix B and Confirmation Sampling Notifications are provided as Appendix C.

6. Soils Disposition and Backfill Activities

Between September 1 and November 10, 2023, approximately 1,489.16 tons of impacted material was transported offsite for disposal at Lea Land, LLC located approximately thirty (30) miles east of Carlsbad, New Mexico. Upon completion of the excavation, the site was backfilled with like-sourced materials and brought up to surface grade. Manifests are available upon request and aren't included in this report due to the size of the file.

7. Closure Request

Based on the assessment, remediation efforts, and requisite confirmation sampling, the Site is in compliance with the NMOCD regulatory standards. Based on the supporting documentation provided in this report, NTGE, on behalf of Permian, formerly, Earthstone respectfully requests closure for nAPP2228027933. The Release Notification portion of the NMOCD form C-141 is included at the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-685-3898.

Mr. Mike Bratcher
February 20, 2024
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Sincerely,
NTG Environmental



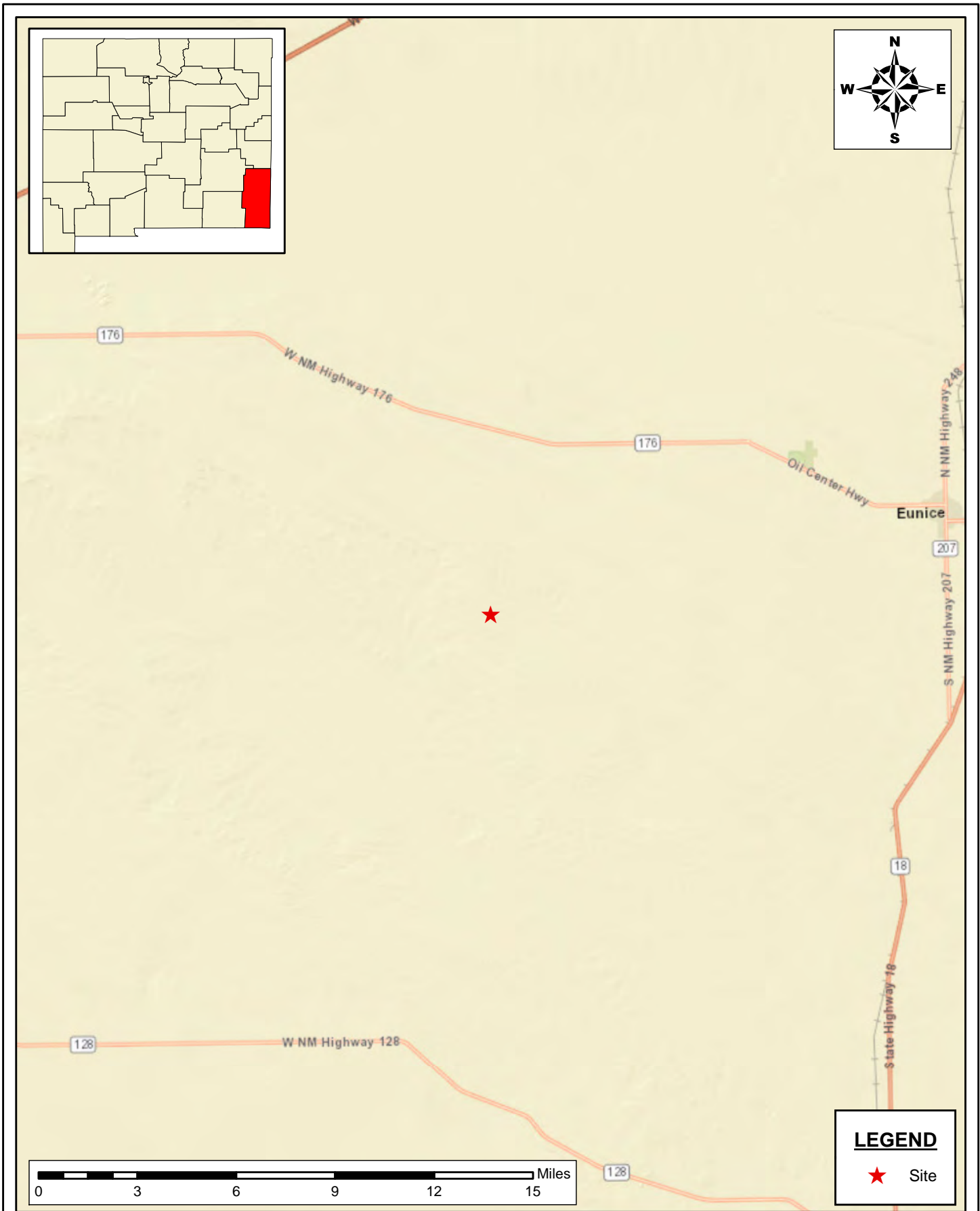
Jeff Kindley, P.G
Senior Project Manager/Geologist

Attachments:

- Figure 1 – Site Location Map
- Figure 2 – Topographic Map
- Figure 3 – Delineation Sample Location Map
- Figure 4 – Confirmation Sample Location Map
- Table 1 Summary of Soil Analytical Data – Delineation Samples
- Table 2 Summary of Soil Analytical Data – Confirmation Samples
- Appendix A – Site Characterization Documentation
- Appendix B – Photographic Log
- Appendix C – Confirmation Sampling Notifications
- Appendix D – Laboratory Reports and Chain-of-Custody Documentation

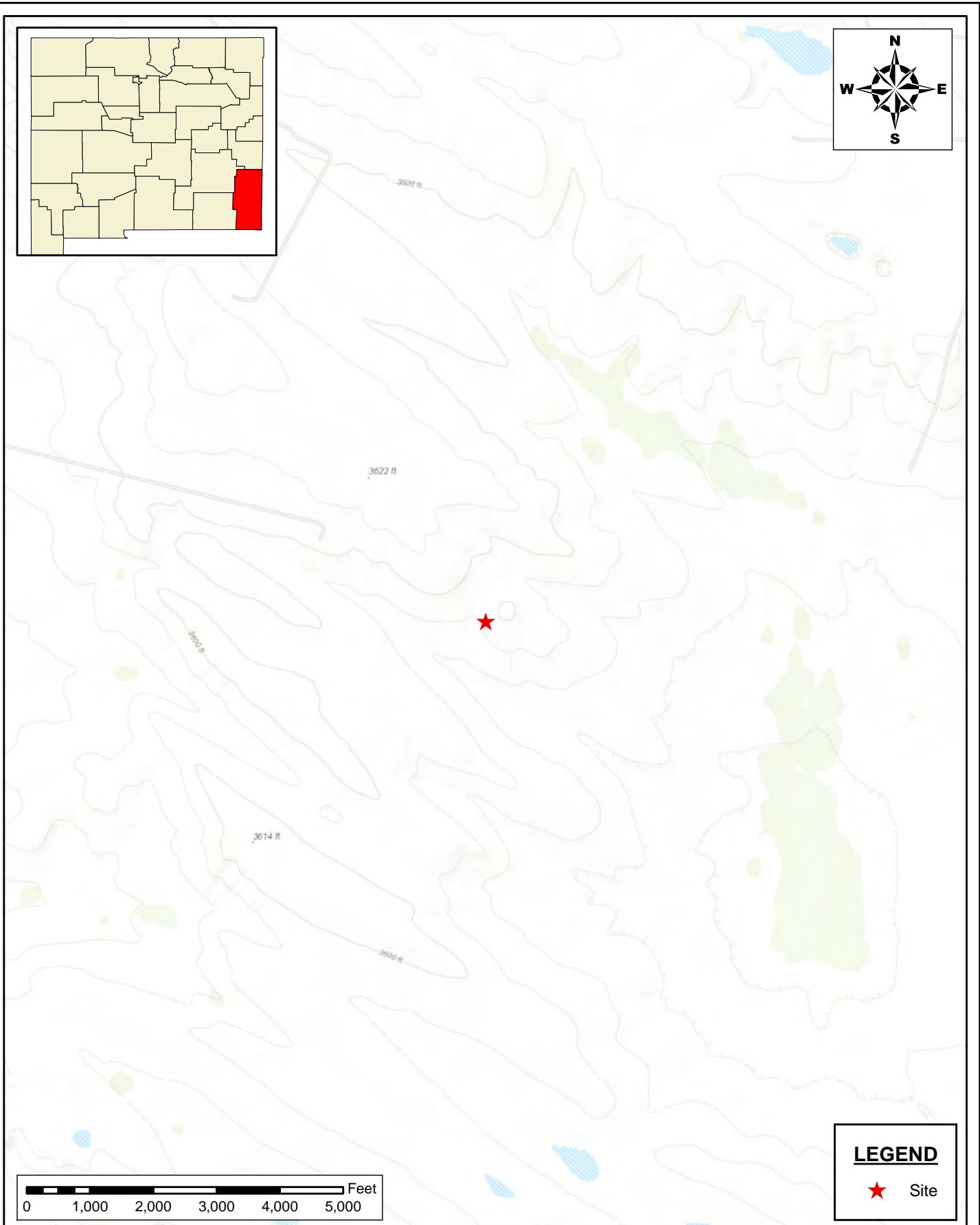
FIGURES

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<p>SITE LOCATION MAP CLOSURE REPORT EARTHSTONE OPERATING, LCC ANTLER 17 STATE #001 LEA COUNTY NEW MEXICO 32.391024° -103.3959656°</p>	<p>New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</p>	<p>DRAWING NUMBER: FIGURE 1 SHEET NUMBER: 1 of 1</p>
<p>SCALE: As Shown Date: 10/12/2023 PROJECT #: 237579</p>			

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**TOPOGRAPHIC MAP
CLOSURE REPORT**
EARTHSTONE OPERATING, LCC
ANTLER 17 STATE #001
LEA COUNTY NEW MEXICO
32.391024° -103.3959656°

SCALE: As Shown

Date: 10/12/2023

PROJECT #: 237579



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

NOTES:

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

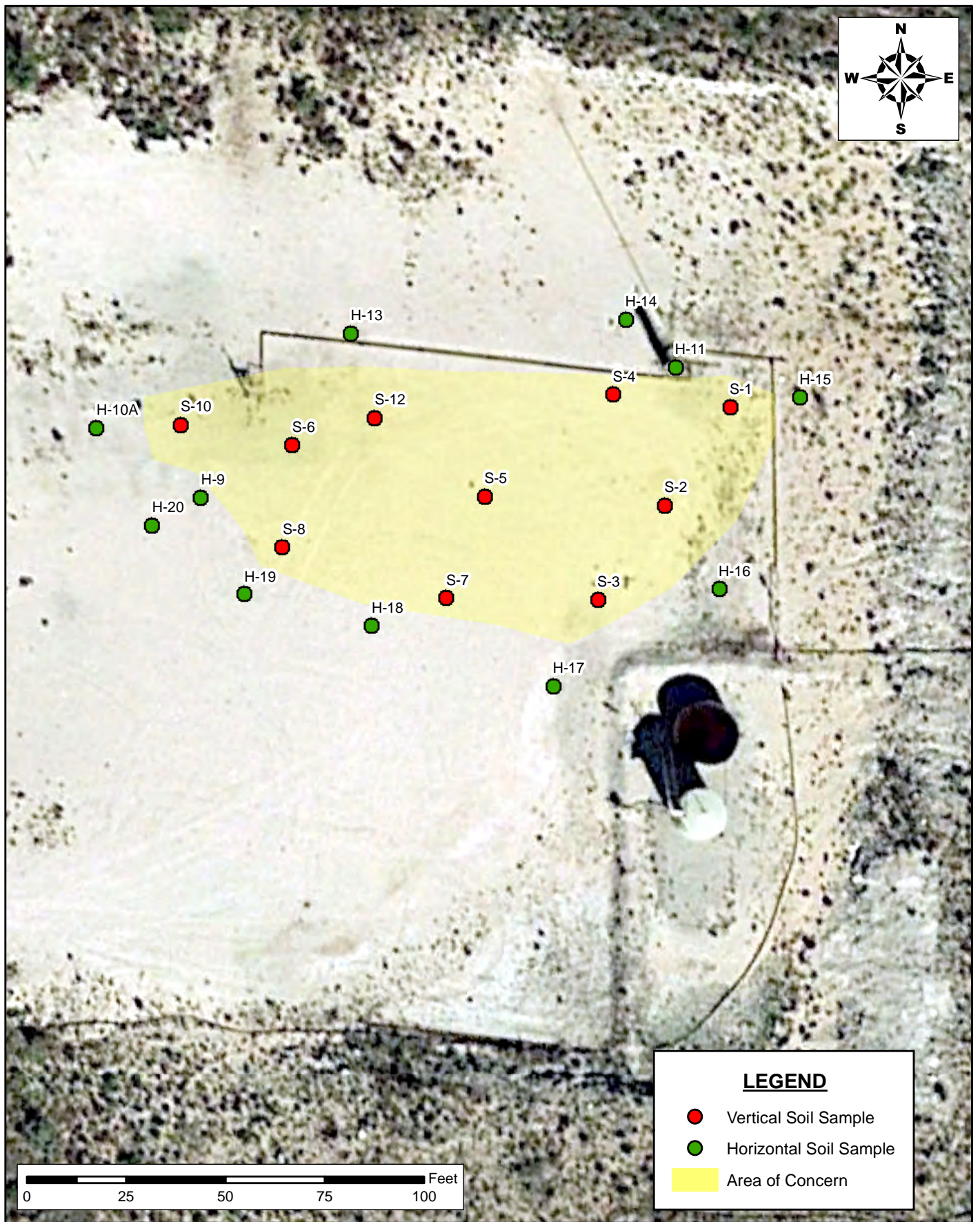
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FIGURE 2

SHEET NUMBER:

1 of 1

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DELINEATION SAMPLE LOCATION MAP
CLOSURE REPORT
EARTHSTONE OPERATING, LLC
ANTLER 17 STATE #001
LEA COUNTY NEW MEXICO
32.391024° -103.3959656°



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

NOTES:

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

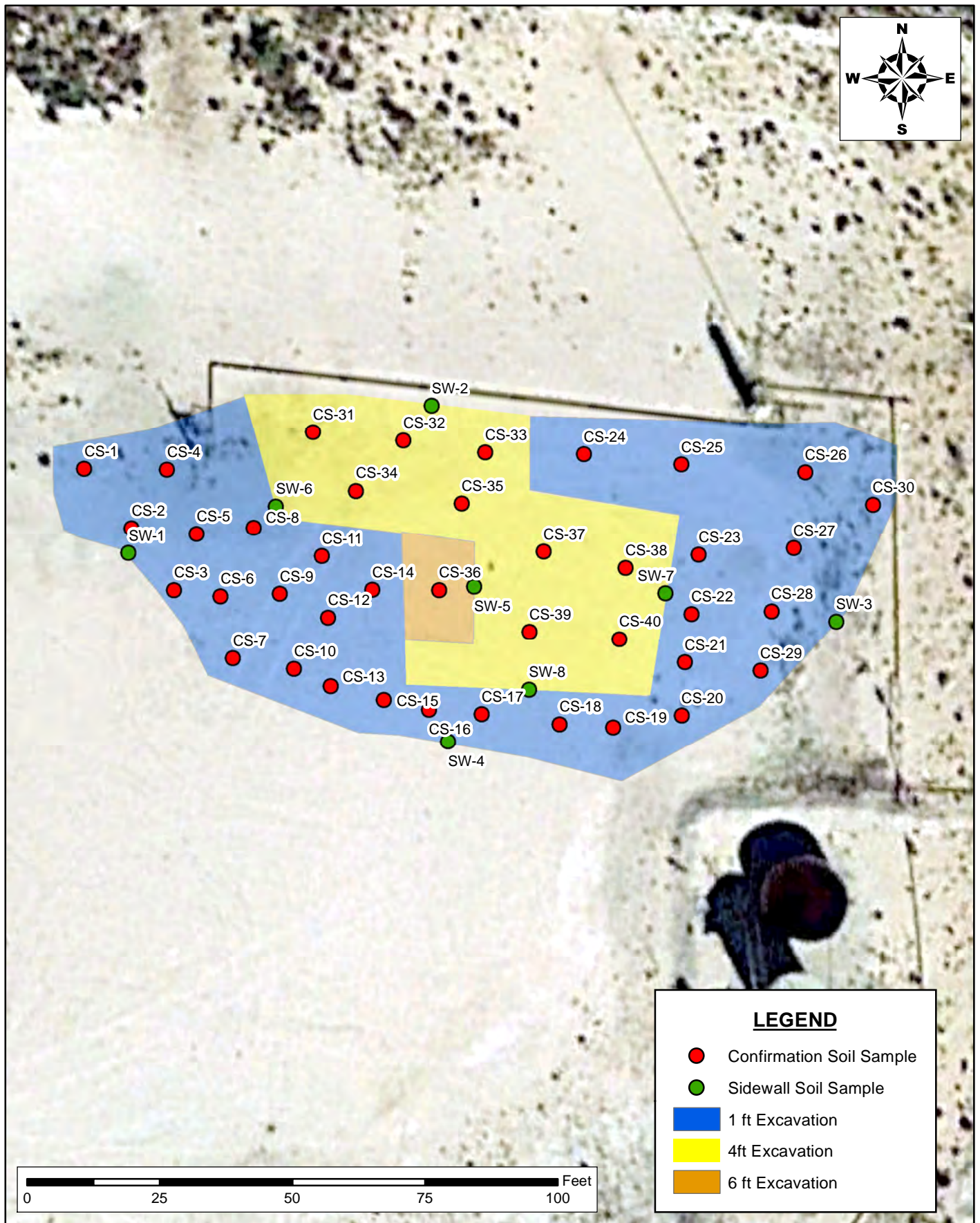
DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

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CONFIRMATION SAMPLE LOCATION MAP
CLOSURE REPORT
 EARTHSTONE OPERATING, LLC
 ANTLER 17 STATE #001
 LEA COUNTY NEW MEXICO
 32.391024° -103.3959656°

SCALE: AS SHOWN

DATE: 10/31/2023

PROJECT #: 237579



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NOTES:

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

DRAWING NUMBER:

FIGURE4

SHEET NUMBER:

1 of 1

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Antler 17 State #001H
Earthstone Operating, LLC
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28- C35)		Total GRO/DRO/MRO (C6-C35)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Assessment Samples														
S-1	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<49.8	<49.8	<49.8	<49.8	<49.8	897	
S-2	07/14/23	Surface	<0.00202	<0.00202	<0.00202	<0.00403	<0.300	<49.5	<49.5	<49.5	<49.5	<49.5	20,000	
S-3	07/14/23	Surface	<0.00201	<0.00201	<0.00201	<0.00402	<0.300	<49.6	<49.6	<49.6	<49.6	<49.6	12,200	
S-4	07/14/23	Surface	<0.00202	<0.00202	<0.00202	<0.00404	<0.300	<50.5	<50.5	<50.5	<50.5	<50.5	2,280	
S-5	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<50.4	115	115	<50.4	115	5,760	
S-6	07/14/23	Surface	<0.00198	<0.00198	<0.00198	<0.00396	<0.300	<49.7	<49.7	<49.7	<49.7	<49.7	8,070	
S-7	07/14/23	Surface	<0.00201	<0.00201	<0.00201	<0.00402	<0.300	<49.9	<49.9	<49.9	<49.9	<49.9	1,050	
S-8	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00401	<0.300	<49.8	<49.8	<49.8	<49.8	<49.8	8,090	
H-9	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00399	<0.300	<49.8	<49.8	<49.8	<49.8	<49.8	176	
H-10	07/14/23	Surface	<0.00198	<0.00198	<0.00198	<0.00397	<0.300	<49.6	<49.6	<49.6	<49.6	<49.6	3,710	
H-11	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<49.5	<49.5	<49.5	<49.5	<49.5	109	
H-12	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00400	<0.300	<50.4	<50.4	<50.4	<50.4	<50.4	1,340	
H-13	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<50.5	<50.5	<50.5	<50.5	<50.5	103	
H-14	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<50.5	<50.5	<50.5	<50.5	<50.5	116	
H-15	07/14/23	Surface	<0.00202	<0.00202	<0.00202	<0.00404	<0.300	<50.4	<50.4	<50.4	<50.4	<50.4	43.8	
H-16	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00399	<0.300	<49.7	<49.7	<49.7	<49.7	<49.7	40.1	
H-17	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00401	<0.300	<49.6	<49.6	<49.6	<49.6	<49.6	352	
H-18	07/14/23	Surface	<0.00200	<0.00200	<0.00200	<0.00400	<0.300	<50.4	<50.4	<50.4	<50.4	<50.4	24.6	
H-19	07/14/23	Surface	<0.00198	<0.00198	<0.00198	<0.00397	<0.300	<50.5	<50.5	<50.5	<50.5	<50.5	43.4	
H-20	07/14/23	Surface	<0.00199	<0.00199	<0.00199	<0.00398	<0.300	<49.7	<49.7	<49.7	<49.7	<49.7	80.2	
Delineation														
S-1	08/02/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	08/02/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	08/02/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
S-2	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
S-3	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
S-4	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
S-5	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640	
	08/02/23	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464	
S-6	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
S-7	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
S-8	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
S-10	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
S-12	08/02/23	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000	
	08/02/23	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,560	
	08/02/23	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,800	
	08/02/23	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
H-10A	08/02/23	Surface	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	

Notes:

1. Values reported in mg/kg

2. < = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

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

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Antler 17 State #1
Earthstone Operating
Lea Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	932	932	844	1,776	32.0
CS-1A	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-2	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-3	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1060	1060	1110	2,170	32.0
CS-3A	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,880
CS-3B	10/19/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
CS-3C	10/25/23	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-4	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	223	223	81.7	304.7	64.0
CS-4A	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-5	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.8	24.8	15.3	40.1	16.0
CS-6	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-7	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-8	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.4	18.4	11.0	29.4	80.0
CS-9	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.2	25.2	13.9	39.1	416
CS-10	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.9	10.9	<10.0	10.9	80.0
CS-11	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-12	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-13	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-14	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
CS-14A	09/29/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
CS-14B	10/12/23	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-15	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-15A	09/29/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150
CS-15B	10/12/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-16	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
CS-16A	09/29/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,460
CS-16B	10/12/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-17	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
CS-17A	09/29/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	928
CS-17B	10/12/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-18	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
CS-18A	10/02/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-19	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-20	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
CS-21	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
CS-21A	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-22	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-22A	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-23	09/15/23	1'	<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
Antler 17 State #1
Earthstone Operating
Lea Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Base Confirmation Samples														
CS-24	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
CS-25	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-26	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-27	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-28	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368	
CS-29	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-30	09/15/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
CS-31	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS-32	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
CS-33	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
CS-34	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-35	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
CS-36	09/15/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-37	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-38	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656	
CS-38A	09/29/23	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416	
CS-39	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
CS-40	09/15/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-41	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
CS-42	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-43	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464	
CS-44	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,800	
CS-44A	09/29/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560	
CS-45	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,190	
CS-45A	09/29/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
CS-46	09/26/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,080	
CS-46A	10/02/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224	
CS-47	09/26/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	181	181	<10.0	181	352	
CS-47A	09/29/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.3	36.3	<10.0	36.3	64.0	
CS-48	09/26/23	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
CS-49	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	864	
CS-49A	10/06/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS-50	09/29/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688	
CS-50A	10/12/23	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
CS-51	10/06/23	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
CS-52	10/06/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
CS-53	10/12/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
CS-54	10/06/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
CS-55	10/12/23	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Antler 17 State #1
Earthstone Operating
Lea Co., NM

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)		Total GRO/DRO/MRO (C6-C35)
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Base Confirmation Samples														
CS-56	10/19/23	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560	
CS-57	10/19/23	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
CS-58	10/19/23	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
Sidewall Confirmation Samples														
SW-1	09/15/23	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SW-1A	10/12/23	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,890	
SW-1B	10/16/23	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
SW-2	09/15/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704	
SW-2A	09/26/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-3	09/15/23	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-4	09/15/23	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,000	
SW-4A	09/26/23	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
SW-5	09/15/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
SW-6	09/15/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
SW-6A	09/26/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	
SW-7	09/15/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,260	
SW-7A	09/26/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
SW-7B	10/02/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
SW-8	09/15/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-8A	09/26/23	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
SW-8B	09/29/23	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-9	09/26/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	864	864	150	1,014	304	
SW-9A	09/29/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	285	285	218	503	48	
SW-9B	10/16/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-10	09/26/23	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-11	09/26/23	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
SW-12	09/26/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656	
SW-12A	09/29/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816	
SW-12B	10/20/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	
SW-13	09/26/23	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,380	
SW-13A	09/29/23	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640	
SW-13B	10/12/23	1-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
SW-14	09/26/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,160	
SW-14A	09/29/23	1-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SW-14B	10/12/23	6-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448	
SW-15	09/26/23	1-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416	
SW-15A	10/19/23	1-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592	
SW-16	09/26/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,080	

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Antler 17 State #1
Earthstone Operating
Lea Co., NM

Sample ID	Sample Date	Depth (ft bgs)	TPH										Chloride
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil ≤ 50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
SW-16A	09/29/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW-16B	10/12/23	1-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SW-17	09/26/23	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-18	09/26/23	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-18A	10/19/23	5-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-19	09/26/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
SW-19A	09/29/23	1-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
SW-20	09/26/23	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-20A	10/12/23	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-21	09/29/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	15.7	<10.0	15.7	880
SW-21A	10/12/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	15.7	<10.0	15.7	448
SW-22	09/29/23	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.2	16.2	<10.0	16.2	192
SW-23	09/29/23	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.1	20.1	<10.0	20.1	48.0
SW-24	10/02/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-25	10/12/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW-26	10/12/23	1-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-27	10/12/23	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-28	10/12/23	4-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-29	10/19/23	6-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW-30	10/19/23	4-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW-31	10/12/23	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-32	10/12/23	2-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-33	10/12/23	0-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW-34	10/12/23	1-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-35	10/12/23	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SW-36	10/12/23	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-37	10/25/23	6-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-38	10/25/23	0-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-39	10/25/23	1-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0

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

SP 1 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

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

9. --- Not Analyzed

APPENDIX A: SITE CHARACTERIZATION DOCUMENTATION

Antler 17 State #001

Karst Potential Map

Legend

High

Low

Medium

Site Location

32

Antler 17 State #001



N

1 mi

OSE POD Locations Map



8/1/2023, 3:36:19 PM

- GIS WATERS PODs
- Active

● Pending

OSE District Boundary

Water Right Regulations

Closure Area

New Mexico State Trust Lands

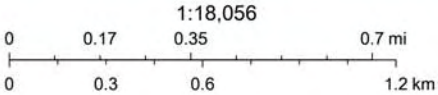
Subsurface Estate

Both Estates

NHD Flowlines

Stream River

SiteBoundaries



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.

Antler 17 State #001

Nearest Water Well

Legend

- 1.60 Miles South-southeast
- 1/2 Mile Radius
- Site Location
- USGS Water Well

Antler 17 State #001

Drilled 1996 - 78.75'



National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 322238103225201

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 322238103225201 22S.35E.20.22442

Lea County, New Mexico
Latitude 32°22'38", Longitude 103°22'52" NAD27
Land-surface elevation 3,539 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1965-11-02			D 62610		3459.84	NGVD29	1		Z	
1965-11-02			D 62611		3461.43	NAVD88	1		Z	
1965-11-02			D 72019	77.57			1		Z	
1968-06-10			D 62610		3461.77	NGVD29	P		Z	
1968-06-10			D 62611		3463.36	NAVD88	P		Z	
1968-06-10			D 72019	75.64			P		Z	
1970-12-04			D 62610		3460.24	NGVD29	P		Z	
1970-12-04			D 62611		3461.83	NAVD88	P		Z	
1970-12-04			D 72019	77.17			P		Z	
1996-02-16			D 62610		3458.66	NGVD29	1		S	
1996-02-16			D 62611		3460.25	NAVD88	1		S	
1996-02-16			D 72019	78.75			1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)


Page Last Modified: 2023-08-01 17:29:42 EDT

0.29 0.25 nadww02



August 1, 2023

Wetlands

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

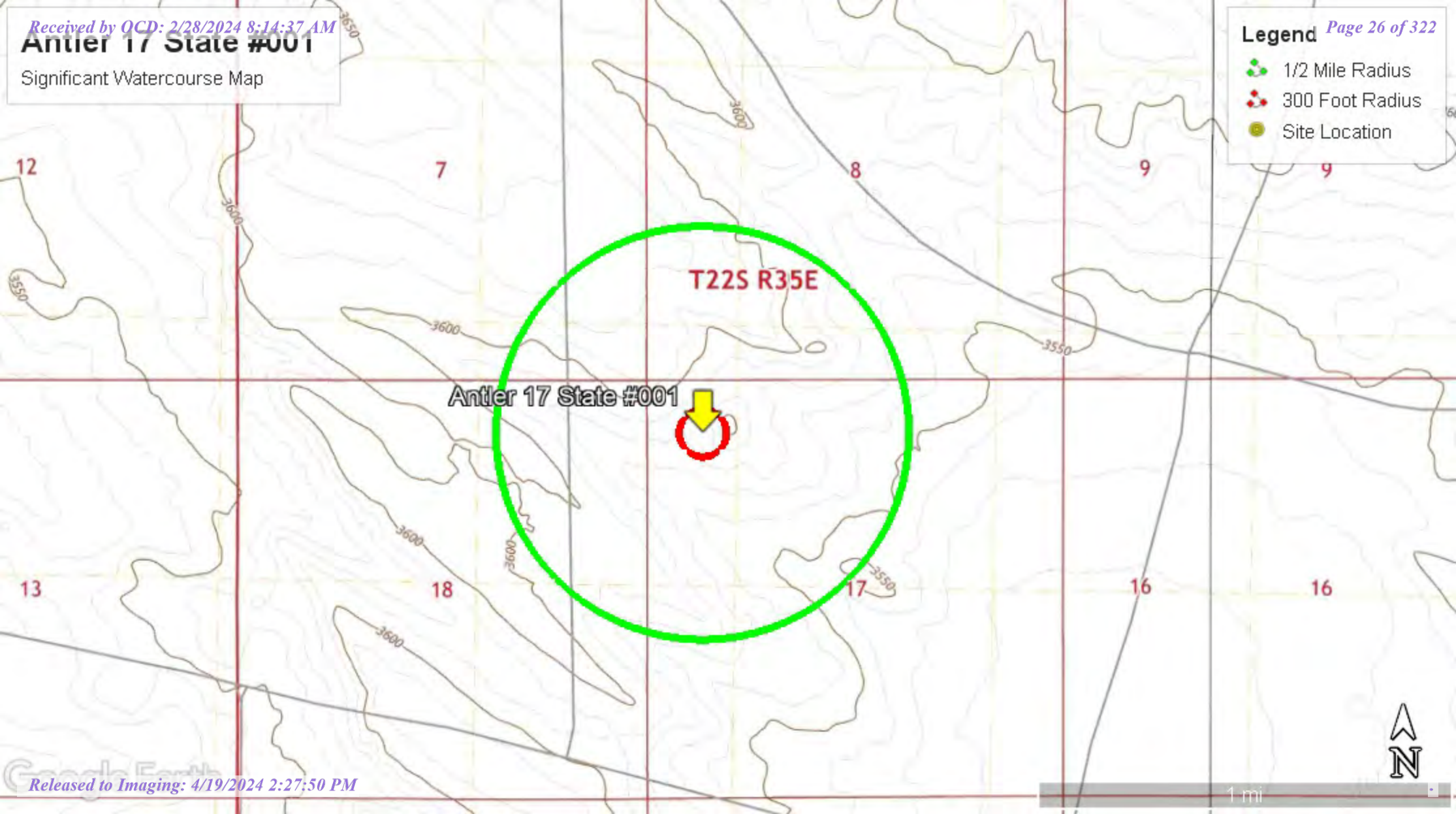
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Antler 17 State #001

Significant Watercourse Map

Legend *Page 26 of 322*

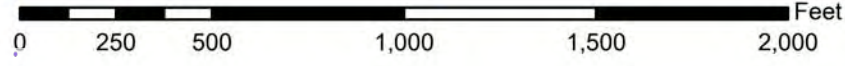
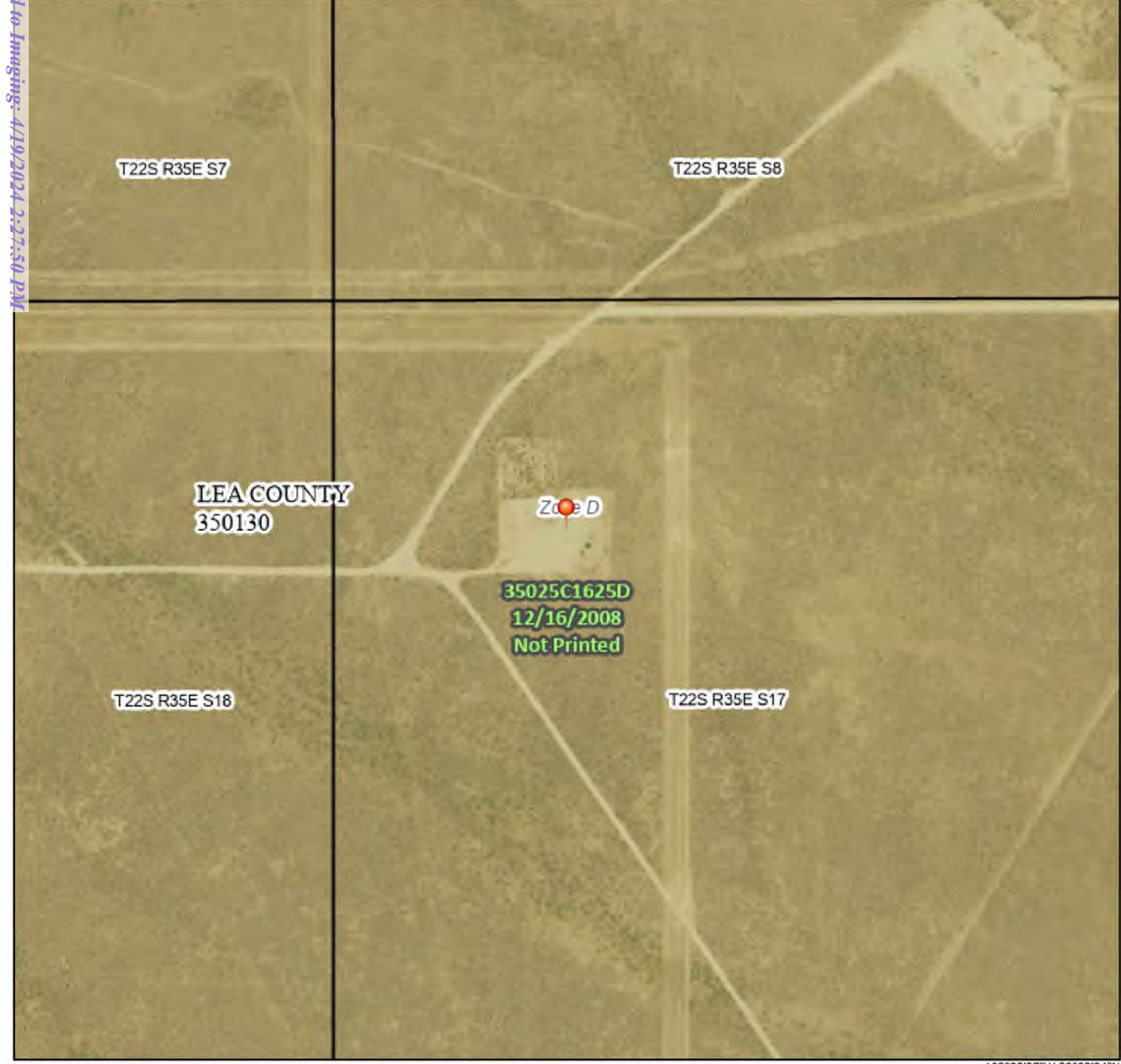
-  1/2 Mile Radius
-  300 Foot Radius
-  Site Location



National Flood Hazard Layer FIRMMette



103°24'4"W 32°24'5"N



1:6,000

103°23'27"W 32°23'34"N

Basemap Imagery Source: USGS National Map 2023

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
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
MAP PANELS		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped

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

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

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

Released to Imaging: 4/19/2024 2:27:50 PM

Received by OCD: 2/28/2024 8:14:37 AM

Page 27 of 322

APPENDIX B: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG**Earthstone Operating, LLC****Photograph No. 1****Facility:**

Antler 17 State #001

County:

Lea County, New Mexico

Description:

View of Impacted Area

**Photograph No. 2****Facility:**

Antler 17 State #001

County:

Lea County, New Mexico

Description:

View of Impacted Area

**Photograph No. 3****Facility:**

Antler 17 State #001

County:

Lea County, New Mexico

Description:

View of excavation of area.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC

Photograph No. 4

Facility: Antler 17 State #001

County: Lea County, New Mexico

Description:
View of excavation of area.

Photograph No. 5

Facility: Antler 17 State #001

County: Lea County, New Mexico

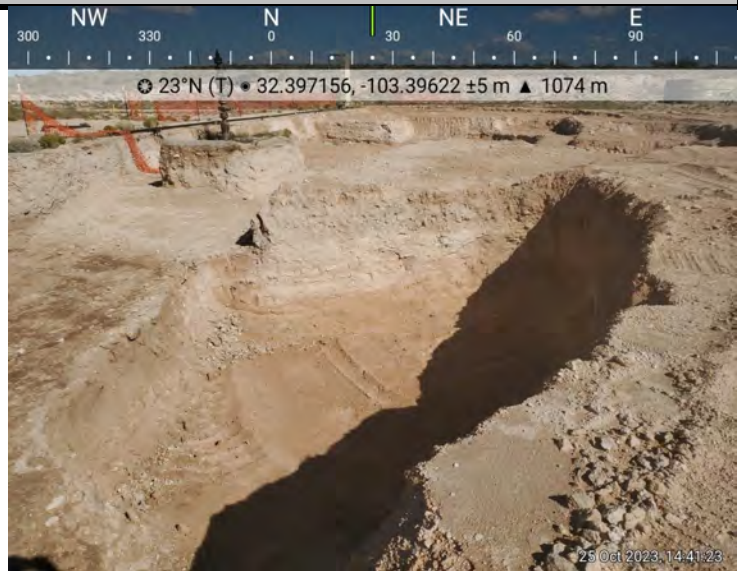
Description:
View of excavation of area.

Photograph No. 6

Facility: Antler 17 State #001

County: Lea County, New Mexico

Description:
View of excavation of area.

PHOTOGRAPHIC LOG**Earthstone Operating, LLC****Photograph No. 7****Facility:** Antler 17 State #001**County:** Lea County, New Mexico**Description:**
View of excavation of area.**Photograph No. 8****Facility:** Antler 17 State #001**County:** Lea County, New Mexico**Description:**
View of excavation of area.**Photograph No. 9****Facility:** Antler 17 State #001**County:** Lea County, New Mexico**Description:**
View of excavation of area.

APPENDIX C: CONFIRMATION SAMPLING NOTIFICATIONS

Becky Haskell

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Sent: Wednesday, September 6, 2023 4:11 PM
To: Ricardo Baer; Enviro, OCD, EMNRD
Cc: Becky Haskell; NTG Env Carlsbad; Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] Antler 17 State #001

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Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

From: Ricardo Baer <Rbaer@ntglobal.com>
Sent: Wednesday, September 6, 2023 2:15 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] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, September 11, 2023, and continue through Friday, September 15, 2023. Please let me know if you have any questions.

Thank you,

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



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Becky Haskell

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Wednesday, September 20, 2023 3:26 PM
To: Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: NTG Env Carlsbad; Becky Haskell
Subject: RE: [EXTERNAL] Antler 17 State #001

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The OCD has received your notification. 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.

Scott Rodgers • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, September 20, 2023 2:23 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>; Becky Haskell <bhaskell@ntglobal.com>
Subject: [EXTERNAL] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, September 18, 2023, and continue through Friday, September 22, 2023. Please let me know if you have any questions.

Thank you,

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



NTG
ENVIRONMENTAL



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Becky Haskell

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Wednesday, September 27, 2023 3:25 PM
To: Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Becky Haskell; NTG Env Carlsbad
Subject: RE: [EXTERNAL] Antler 17 State #001

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Scott Rodgers • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, September 27, 2023 2:08 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] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, October 2, 2023, and continue through Friday, October 6, 2023. Please let me know if you have any questions.

Thank you,

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



NTG
ENVIRONMENTAL



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Becky Haskell

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 4, 2023 3:47 PM
To: Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Becky Haskell
Subject: RE: [EXTERNAL] Antler 17 State #001

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Good afternoon Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

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

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, October 4, 2023 2:06 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] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, October 9, 2023, and continue through Friday, October 13, 2023. Please let me know if you have any questions.

Thank you,

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



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Becky Haskell

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 11, 2023 2:25 PM
To: Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Becky Haskell; NTG Env Carlsbad
Subject: RE: [EXTERNAL] Antler 17 State #001

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Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

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

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, October 11, 2023 12:42 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] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, October 16, 2023, and continue through Friday, October 20, 2023. Please let me know if you have any questions.

Thank you,

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



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Becky Haskell

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 18, 2023 4:44 PM
To: Ricardo Baer; Velez, Nelson, EMNRD; Bratcher, Michael, EMNRD
Cc: Becky Haskell
Subject: RE: [EXTERNAL] Antler 17 State #001

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Hi Ricardo,

The OCD has received your notification. 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.

Thank you,

Shelly

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

From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, October 18, 2023 1:49 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] Antler 17 State #001

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

Antler 17 State #001
D-17-22S-35E
Lea, NM
nAPP2228027933

Sampling will begin at 8:00 a.m. on Monday, October 23, 2023, and continue through Friday, October 27, 2023. Please let me know if you have any questions.

Thank you,

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



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APPENDIX D: LABORATORY REPORTS AND CHAIN-CUSTODY DOCUMENTATION



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Jeff Kindley
NT Global

701 Tradewinds Blvd
Midland, Texas 79706

Generated 7/25/2023 11:09:52 AM

JOB DESCRIPTION

Earthstone-Antler 17 State #001
SDG NUMBER Lea Co., NM

JOB NUMBER

880-30830-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
7/25/2023 11:09:52 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Laboratory Job ID: 880-30830-1
SDG: Lea Co., NM

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Definitions/Glossary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⬤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Job ID: 880-30830-1

Laboratory: Eurofins Midland

Narrative	Job Narrative 880-30830-1
-----------	------------------------------

Receipt

The samples were received on 7/17/2023 4:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (Surface) (880-30830-1), S-2 (Surface) (880-30830-2), S-3 (Surface) (880-30830-3), S-4 (Surface) (880-30830-4), S-5 (Surface) (880-30830-5), S-6 (Surface) (880-30830-6), S-7 (Surface) (880-30830-7), S-8 (Surface) (880-30830-8), S-9 (Surface) (880-30830-9), S-10 (Surface) (880-30830-10), S-11 (Surface) (880-30830-11), S-12 (Surface) (880-30830-12), S-13 (Surface) (880-30830-13), S-14 (Surface) (880-30830-14), S-15 (Surface) (880-30830-15), S-16 (Surface) (880-30830-16), S-17 (Surface) (880-30830-17), S-18 (Surface) (880-30830-18), S-19 (Surface) (880-30830-19) and S-20 (Surface) (880-30830-20).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S-14 (Surface) (880-30830-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-1 (Surface)

Lab Sample ID: 880-30830-1

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 11:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 11:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 11:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 11:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 11:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 11:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/18/23 08:09	07/18/23 11:33	1
1,4-Difluorobenzene (Surr)	104		70 - 130	07/18/23 08:09	07/18/23 11:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 11:21	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 11:21	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	07/18/23 13:28	07/24/23 11:21	1
o-Terphenyl	85		70 - 130	07/18/23 13:28	07/24/23 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	897		25.0		mg/Kg			07/18/23 18:07	5

Client Sample ID: S-2 (Surface)

Lab Sample ID: 880-30830-2

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 11:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 11:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 11:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		07/18/23 08:09	07/18/23 11:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 11:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		07/18/23 08:09	07/18/23 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	07/18/23 08:09	07/18/23 11:53	1
1,4-Difluorobenzene (Surr)	110		70 - 130	07/18/23 08:09	07/18/23 11:53	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-2 (Surface)

Lab Sample ID: 880-30830-2

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 12:26	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 12:26	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/18/23 13:28	07/24/23 12:26	1
o-Terphenyl	85		70 - 130				07/18/23 13:28	07/24/23 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20000		250		mg/Kg			07/18/23 18:23	50

Client Sample ID: S-3 (Surface)

Lab Sample ID: 880-30830-3

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/23 08:09	07/18/23 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				07/18/23 08:09	07/18/23 12:14	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/18/23 08:09	07/18/23 12:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 12:48	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 12:48	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-3 (Surface)

Lab Sample ID: 880-30830-3

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 12:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				07/18/23 13:28	07/24/23 12:48	1
o-Terphenyl	79		70 - 130				07/18/23 13:28	07/24/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12200		99.2		mg/Kg			07/18/23 18:28	20

Client Sample ID: S-4 (Surface)

Lab Sample ID: 880-30830-4

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/23 08:09	07/18/23 12:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/18/23 08:09	07/18/23 12:35	1
1,4-Difluorobenzene (Surr)	112		70 - 130				07/18/23 08:09	07/18/23 12:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 13:10	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 13:10	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/18/23 13:28	07/24/23 13:10	1
o-Terphenyl	84		70 - 130				07/18/23 13:28	07/24/23 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2280		25.1		mg/Kg			07/18/23 18:33	5

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-5 (Surface)

Lab Sample ID: 880-30830-5

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/18/23 08:09	07/18/23 12:55	1
1,4-Difluorobenzene (Surr)	110		70 - 130	07/18/23 08:09	07/18/23 12:55	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	115		50.4		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 13:31	1
Diesel Range Organics (Over C10-C28)	115		50.4		mg/Kg		07/18/23 13:28	07/24/23 13:31	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130	07/18/23 13:28	07/24/23 13:31	1
o-Terphenyl	82		70 - 130	07/18/23 13:28	07/24/23 13:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5760		49.9		mg/Kg			07/18/23 18:38	10

Client Sample ID: S-6 (Surface)

Lab Sample ID: 880-30830-6

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 13:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 13:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 13:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		07/18/23 08:09	07/18/23 13:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 13:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		07/18/23 08:09	07/18/23 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	07/18/23 08:09	07/18/23 13:16	1
1,4-Difluorobenzene (Surr)	109		70 - 130	07/18/23 08:09	07/18/23 13:16	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-6 (Surface)

Lab Sample ID: 880-30830-6

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 13:54	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 13:54	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/18/23 13:28	07/24/23 13:54	1
o-Terphenyl	84		70 - 130				07/18/23 13:28	07/24/23 13:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8070		99.0		mg/Kg			07/18/23 18:54	20

Client Sample ID: S-7 (Surface)

Lab Sample ID: 880-30830-7

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		07/18/23 08:09	07/18/23 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				07/18/23 08:09	07/18/23 13:37	1
1,4-Difluorobenzene (Surr)	116		70 - 130				07/18/23 08:09	07/18/23 13:37	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		07/18/23 13:28	07/24/23 14:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		07/18/23 13:28	07/24/23 14:16	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-7 (Surface)

Lab Sample ID: 880-30830-7

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		07/18/23 13:28	07/24/23 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				07/18/23 13:28	07/24/23 14:16	1
o-Terphenyl	83		70 - 130				07/18/23 13:28	07/24/23 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1050		24.9		mg/Kg			07/18/23 18:59	5

Client Sample ID: S-8 (Surface)

Lab Sample ID: 880-30830-8

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/18/23 08:09	07/18/23 13:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				07/18/23 08:09	07/18/23 13:58	1
1,4-Difluorobenzene (Surr)	112		70 - 130				07/18/23 08:09	07/18/23 13:58	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 14:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 14:38	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/18/23 13:28	07/24/23 14:38	1
o-Terphenyl	86		70 - 130				07/18/23 13:28	07/24/23 14:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8090		50.0		mg/Kg			07/18/23 19:04	10

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-9 (Surface)

Lab Sample ID: 880-30830-9

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 14:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 14:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 14:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/18/23 08:09	07/18/23 14:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 14:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/23 08:09	07/18/23 14:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/18/23 08:09	07/18/23 14:18	1
1,4-Difluorobenzene (Surr)	115		70 - 130	07/18/23 08:09	07/18/23 14:18	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 15:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 15:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		07/18/23 13:28	07/24/23 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	07/18/23 13:28	07/24/23 15:00	1
o-Terphenyl	87		70 - 130	07/18/23 13:28	07/24/23 15:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	176		4.96		mg/Kg			07/18/23 19:09	1

Client Sample ID: S-10 (Surface)

Lab Sample ID: 880-30830-10

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 14:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 14:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 14:39	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/18/23 08:09	07/18/23 14:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 14:39	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/18/23 08:09	07/18/23 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/18/23 08:09	07/18/23 14:39	1
1,4-Difluorobenzene (Surr)	117		70 - 130	07/18/23 08:09	07/18/23 14:39	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-10 (Surface)

Lab Sample ID: 880-30830-10

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 15:22	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 15:22	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 15:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				07/18/23 13:28	07/24/23 15:22	1
o-Terphenyl	85		70 - 130				07/18/23 13:28	07/24/23 15:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3710		25.2		mg/Kg			07/18/23 19:14	5

Client Sample ID: S-11 (Surface)

Lab Sample ID: 880-30830-11

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/18/23 08:09	07/18/23 16:02	1
1,4-Difluorobenzene (Surr)	103		70 - 130				07/18/23 08:09	07/18/23 16:02	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 16:07	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 16:07	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-11 (Surface)

Lab Sample ID: 880-30830-11

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		07/18/23 13:28	07/24/23 16:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/18/23 13:28	07/24/23 16:07	1
o-Terphenyl	86		70 - 130				07/18/23 13:28	07/24/23 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	109		4.99		mg/Kg			07/18/23 19:19	1

Client Sample ID: S-12 (Surface)

Lab Sample ID: 880-30830-12

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 16:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				07/18/23 08:09	07/18/23 16:23	1
1,4-Difluorobenzene (Surr)	115		70 - 130				07/18/23 08:09	07/18/23 16:23	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/18/23 16:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 16:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 16:29	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 16:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130				07/18/23 13:28	07/24/23 16:29	1
o-Terphenyl	85		70 - 130				07/18/23 13:28	07/24/23 16:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		24.8		mg/Kg			07/18/23 19:35	5

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Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-13 (Surface)

Lab Sample ID: 880-30830-13

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 16:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 16:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/18/23 08:09	07/18/23 16:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130	07/18/23 08:09	07/18/23 16:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 16:52	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 16:52	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	07/18/23 13:28	07/24/23 16:52	1
o-Terphenyl	85		70 - 130	07/18/23 13:28	07/24/23 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		5.01		mg/Kg			07/18/23 19:40	1

Client Sample ID: S-14 (Surface)

Lab Sample ID: 880-30830-14

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 17:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 17:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 17:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 17:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 17:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/18/23 08:09	07/18/23 17:04	1
1,4-Difluorobenzene (Surr)	115		70 - 130	07/18/23 08:09	07/18/23 17:04	1

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Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-14 (Surface)

Lab Sample ID: 880-30830-14

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 17:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 17:15	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130				07/18/23 13:28	07/24/23 17:15	1
o-Terphenyl	75		70 - 130				07/18/23 13:28	07/24/23 17:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	116		4.97		mg/Kg			07/18/23 19:55	1

Client Sample ID: S-15 (Surface)

Lab Sample ID: 880-30830-15

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		07/18/23 08:09	07/18/23 17:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				07/18/23 08:09	07/18/23 17:25	1
1,4-Difluorobenzene (Surr)	114		70 - 130				07/18/23 08:09	07/18/23 17:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 17:37	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 17:37	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-15 (Surface)

Lab Sample ID: 880-30830-15

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130				07/18/23 13:28	07/24/23 17:37	1
o-Terphenyl	87		70 - 130				07/18/23 13:28	07/24/23 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.8		4.95		mg/Kg			07/18/23 20:00	1

Client Sample ID: S-16 (Surface)

Lab Sample ID: 880-30830-16

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/18/23 08:09	07/18/23 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				07/18/23 08:09	07/18/23 17:46	1
1,4-Difluorobenzene (Surr)	117		70 - 130				07/18/23 08:09	07/18/23 17:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 17:59	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 17:59	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				07/18/23 13:28	07/24/23 17:59	1
o-Terphenyl	79		70 - 130				07/18/23 13:28	07/24/23 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.1		4.95		mg/Kg			07/18/23 20:06	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-17 (Surface)

Lab Sample ID: 880-30830-17

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		07/18/23 08:09	07/18/23 18:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		07/18/23 08:09	07/18/23 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/18/23 08:09	07/18/23 18:06	1
1,4-Difluorobenzene (Surr)	113		70 - 130	07/18/23 08:09	07/18/23 18:06	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 18:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 18:21	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		07/18/23 13:28	07/24/23 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130	07/18/23 13:28	07/24/23 18:21	1
o-Terphenyl	84		70 - 130	07/18/23 13:28	07/24/23 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	352		5.01		mg/Kg			07/18/23 20:11	1

Client Sample ID: S-18 (Surface)

Lab Sample ID: 880-30830-18

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 18:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 18:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	07/18/23 08:09	07/18/23 18:27	1
1,4-Difluorobenzene (Surr)	114		70 - 130	07/18/23 08:09	07/18/23 18:27	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-18 (Surface)

Lab Sample ID: 880-30830-18

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 18:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 18:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		07/18/23 13:28	07/24/23 18:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				07/18/23 13:28	07/24/23 18:43	1
o-Terphenyl	80		70 - 130				07/18/23 13:28	07/24/23 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.6		5.05		mg/Kg			07/18/23 20:16	1

Client Sample ID: S-19 (Surface)

Lab Sample ID: 880-30830-19

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/18/23 08:09	07/18/23 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				07/18/23 08:09	07/18/23 18:48	1
1,4-Difluorobenzene (Surr)	116		70 - 130				07/18/23 08:09	07/18/23 18:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 19:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 19:04	1

Eurofins Midland

Client Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-19 (Surface)

Lab Sample ID: 880-30830-19

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/18/23 13:28	07/24/23 19:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				07/18/23 13:28	07/24/23 19:04	1
o-Terphenyl	83		70 - 130				07/18/23 13:28	07/24/23 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.4		4.98		mg/Kg			07/18/23 20:21	1

Client Sample ID: S-20 (Surface)

Lab Sample ID: 880-30830-20

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/18/23 08:09	07/18/23 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				07/18/23 08:09	07/18/23 19:09	1
1,4-Difluorobenzene (Surr)	114		70 - 130				07/18/23 08:09	07/18/23 19:09	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			07/19/23 09:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			07/25/23 11:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 19:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 19:26	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		07/18/23 13:28	07/24/23 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				07/18/23 13:28	07/24/23 19:26	1
o-Terphenyl	83		70 - 130				07/18/23 13:28	07/24/23 19:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.2		4.96		mg/Kg			07/18/23 20:26	1

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Surrogate Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	BFB1	DFBZ1				
		(70-130)	(70-130)				
880-30830-1	S-1 (Surface)	90	104				
880-30830-1 MS	S-1 (Surface)	103	106				
880-30830-1 MSD	S-1 (Surface)	104	105				
880-30830-2	S-2 (Surface)	92	110				
880-30830-3	S-3 (Surface)	98	115				
880-30830-4	S-4 (Surface)	96	112				
880-30830-5	S-5 (Surface)	93	110				
880-30830-6	S-6 (Surface)	90	109				
880-30830-7	S-7 (Surface)	94	116				
880-30830-8	S-8 (Surface)	92	112				
880-30830-9	S-9 (Surface)	98	115				
880-30830-10	S-10 (Surface)	99	117				
880-30830-11	S-11 (Surface)	101	103				
880-30830-12	S-12 (Surface)	92	115				
880-30830-13	S-13 (Surface)	93	111				
880-30830-14	S-14 (Surface)	100	115				
880-30830-15	S-15 (Surface)	101	114				
880-30830-16	S-16 (Surface)	95	117				
880-30830-17	S-17 (Surface)	98	113				
880-30830-18	S-18 (Surface)	99	114				
880-30830-19	S-19 (Surface)	104	116				
880-30830-20	S-20 (Surface)	96	114				
LCS 880-57896/1-A	Lab Control Sample	103	103				
LCSD 880-57896/2-A	Lab Control Sample Dup	104	110				
MB 880-57896/5-A	Method Blank	82	97				

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	1CO1	OTPH1				
		(70-130)	(70-130)				
880-30830-1	S-1 (Surface)	71	85				
880-30830-1 MS	S-1 (Surface)	84	81				
880-30830-1 MSD	S-1 (Surface)	82	80				
880-30830-2	S-2 (Surface)	74	85				
880-30830-3	S-3 (Surface)	71	79				
880-30830-4	S-4 (Surface)	74	84				
880-30830-5	S-5 (Surface)	72	82				
880-30830-6	S-6 (Surface)	74	84				
880-30830-7	S-7 (Surface)	72	83				
880-30830-8	S-8 (Surface)	76	86				
880-30830-9	S-9 (Surface)	79	87				
880-30830-10	S-10 (Surface)	76	85				
880-30830-11	S-11 (Surface)	77	86				
880-30830-12	S-12 (Surface)	74	85				

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Surrogate Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-30830-13	S-13 (Surface)	74	85
880-30830-14	S-14 (Surface)	68 S1-	75
880-30830-15	S-15 (Surface)	79	87
880-30830-16	S-16 (Surface)	71	79
880-30830-17	S-17 (Surface)	75	84
880-30830-18	S-18 (Surface)	73	80
880-30830-19	S-19 (Surface)	77	83
880-30830-20	S-20 (Surface)	75	83
LCS 880-57952/2-A	Lab Control Sample	85	86
LCSD 880-57952/3-A	Lab Control Sample Dup	83	84
MB 880-57952/1-A	Method Blank	79	93
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-57896/5-A

Matrix: Solid

Analysis Batch: 57900

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 57896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 11:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/18/23 08:09	07/18/23 11:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/18/23 08:09	07/18/23 11:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	07/18/23 08:09	07/18/23 11:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/18/23 08:09	07/18/23 11:11	1

Lab Sample ID: LCS 880-57896/1-A

Matrix: Solid

Analysis Batch: 57900

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09373		mg/Kg		94	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2011		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09997		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-57896/2-A

Matrix: Solid

Analysis Batch: 57900

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57896

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1132		mg/Kg		113	70 - 130	19	35
Toluene	0.100	0.1174		mg/Kg		117	70 - 130	12	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2135		mg/Kg		107	70 - 130	6	35
o-Xylene	0.100	0.1061		mg/Kg		106	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-30830-1 MS

Matrix: Solid

Analysis Batch: 57900

Client Sample ID: S-1 (Surface)

Prep Type: Total/NA

Prep Batch: 57896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0994	0.08082		mg/Kg		81	70 - 130
Toluene	<0.00199	U	0.0994	0.09180		mg/Kg		92	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-30830-1 MS
Matrix: Solid
Analysis Batch: 57900

Client Sample ID: S-1 (Surface)
Prep Type: Total/NA
Prep Batch: 57896

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.0994	0.08921		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1734		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0994	0.08606		mg/Kg		87	70 - 130
Surrogate	MS %Recovery	MS Qualifier	MS Limits						
4-Bromofluorobenzene (Surr)	103		70 - 130						
1,4-Difluorobenzene (Surr)	106		70 - 130						

Lab Sample ID: 880-30830-1 MSD
Matrix: Solid
Analysis Batch: 57900

Client Sample ID: S-1 (Surface)
Prep Type: Total/NA
Prep Batch: 57896

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0992	0.1031		mg/Kg		104	70 - 130	24	35
Toluene	<0.00199	U	0.0992	0.1090		mg/Kg		110	70 - 130	17	35
Ethylbenzene	<0.00199	U	0.0992	0.1024		mg/Kg		103	70 - 130	14	35
m-Xylene & p-Xylene	<0.00398	U	0.198	0.1981		mg/Kg		100	70 - 130	13	35
o-Xylene	<0.00199	U	0.0992	0.09885		mg/Kg		100	70 - 130	14	35
Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-57952/1-A
Matrix: Solid
Analysis Batch: 58292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57952

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/18/23 13:28	07/24/23 08:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/18/23 13:28	07/24/23 08:50	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/18/23 13:28	07/24/23 08:50	1
Surrogate	MB %Recovery	MB Qualifier	MB Limits						
1-Chlorooctane	79		70 - 130						
o-Terphenyl	93		70 - 130						

Lab Sample ID: LCS 880-57952/2-A
Matrix: Solid
Analysis Batch: 58292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	715.1		mg/Kg		72	70 - 130
Diesel Range Organics (Over C10-C28)	1000	889.2		mg/Kg		89	70 - 130

QC Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-57952/2-A

Matrix: Solid

Analysis Batch: 58292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 57952

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: LCSD 880-57952/3-A

Matrix: Solid

Analysis Batch: 58292

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 57952

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	710.1		mg/Kg		71	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	877.4		mg/Kg		88	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 880-30830-1 MS

Matrix: Solid

Analysis Batch: 58292

Client Sample ID: S-1 (Surface)

Prep Type: Total/NA

Prep Batch: 57952

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	731.8		mg/Kg		73	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	884.8		mg/Kg		86	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-30830-1 MSD

Matrix: Solid

Analysis Batch: 58292

Client Sample ID: S-1 (Surface)

Prep Type: Total/NA

Prep Batch: 57952

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	1000	725.4		mg/Kg		72	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1000	860.2		mg/Kg		83	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	80		70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-57910/1-A

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/18/23 17:52	1

Lab Sample ID: LCS 880-57910/2-A

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-57910/3-A

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	243.4		mg/Kg		97	90 - 110	1	20

Lab Sample ID: 880-30830-1 MS

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: S-1 (Surface)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	897		1250	2149		mg/Kg		100	90 - 110

Lab Sample ID: 880-30830-1 MSD

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: S-1 (Surface)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	897		1250	2148		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-30830-11 MS

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: S-11 (Surface)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	109		250	350.4		mg/Kg		97	90 - 110

Lab Sample ID: 880-30830-11 MSD

Matrix: Solid

Analysis Batch: 57958

Client Sample ID: S-11 (Surface)

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	109		250	350.7		mg/Kg		97	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

GC VOA

Prep Batch: 57896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	5035	
880-30830-2	S-2 (Surface)	Total/NA	Solid	5035	
880-30830-3	S-3 (Surface)	Total/NA	Solid	5035	
880-30830-4	S-4 (Surface)	Total/NA	Solid	5035	
880-30830-5	S-5 (Surface)	Total/NA	Solid	5035	
880-30830-6	S-6 (Surface)	Total/NA	Solid	5035	
880-30830-7	S-7 (Surface)	Total/NA	Solid	5035	
880-30830-8	S-8 (Surface)	Total/NA	Solid	5035	
880-30830-9	S-9 (Surface)	Total/NA	Solid	5035	
880-30830-10	S-10 (Surface)	Total/NA	Solid	5035	
880-30830-11	S-11 (Surface)	Total/NA	Solid	5035	
880-30830-12	S-12 (Surface)	Total/NA	Solid	5035	
880-30830-13	S-13 (Surface)	Total/NA	Solid	5035	
880-30830-14	S-14 (Surface)	Total/NA	Solid	5035	
880-30830-15	S-15 (Surface)	Total/NA	Solid	5035	
880-30830-16	S-16 (Surface)	Total/NA	Solid	5035	
880-30830-17	S-17 (Surface)	Total/NA	Solid	5035	
880-30830-18	S-18 (Surface)	Total/NA	Solid	5035	
880-30830-19	S-19 (Surface)	Total/NA	Solid	5035	
880-30830-20	S-20 (Surface)	Total/NA	Solid	5035	
MB 880-57896/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-57896/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-57896/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-30830-1 MS	S-1 (Surface)	Total/NA	Solid	5035	
880-30830-1 MSD	S-1 (Surface)	Total/NA	Solid	5035	

Analysis Batch: 57900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	8021B	57896
880-30830-2	S-2 (Surface)	Total/NA	Solid	8021B	57896
880-30830-3	S-3 (Surface)	Total/NA	Solid	8021B	57896
880-30830-4	S-4 (Surface)	Total/NA	Solid	8021B	57896
880-30830-5	S-5 (Surface)	Total/NA	Solid	8021B	57896
880-30830-6	S-6 (Surface)	Total/NA	Solid	8021B	57896
880-30830-7	S-7 (Surface)	Total/NA	Solid	8021B	57896
880-30830-8	S-8 (Surface)	Total/NA	Solid	8021B	57896
880-30830-9	S-9 (Surface)	Total/NA	Solid	8021B	57896
880-30830-10	S-10 (Surface)	Total/NA	Solid	8021B	57896
880-30830-11	S-11 (Surface)	Total/NA	Solid	8021B	57896
880-30830-12	S-12 (Surface)	Total/NA	Solid	8021B	57896
880-30830-13	S-13 (Surface)	Total/NA	Solid	8021B	57896
880-30830-14	S-14 (Surface)	Total/NA	Solid	8021B	57896
880-30830-15	S-15 (Surface)	Total/NA	Solid	8021B	57896
880-30830-16	S-16 (Surface)	Total/NA	Solid	8021B	57896
880-30830-17	S-17 (Surface)	Total/NA	Solid	8021B	57896
880-30830-18	S-18 (Surface)	Total/NA	Solid	8021B	57896
880-30830-19	S-19 (Surface)	Total/NA	Solid	8021B	57896
880-30830-20	S-20 (Surface)	Total/NA	Solid	8021B	57896
MB 880-57896/5-A	Method Blank	Total/NA	Solid	8021B	57896
LCS 880-57896/1-A	Lab Control Sample	Total/NA	Solid	8021B	57896
LCSD 880-57896/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	57896

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

GC VOA (Continued)

Analysis Batch: 57900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1 MS	S-1 (Surface)	Total/NA	Solid	8021B	57896
880-30830-1 MSD	S-1 (Surface)	Total/NA	Solid	8021B	57896

Analysis Batch: 57980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-2	S-2 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-3	S-3 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-4	S-4 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-5	S-5 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-6	S-6 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-7	S-7 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-8	S-8 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-9	S-9 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-10	S-10 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-11	S-11 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-12	S-12 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-13	S-13 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-14	S-14 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-15	S-15 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-16	S-16 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-17	S-17 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-18	S-18 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-19	S-19 (Surface)	Total/NA	Solid	Total BTEX	
880-30830-20	S-20 (Surface)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 57952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-2	S-2 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-3	S-3 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-4	S-4 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-5	S-5 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-6	S-6 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-7	S-7 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-8	S-8 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-9	S-9 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-10	S-10 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-11	S-11 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-12	S-12 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-13	S-13 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-14	S-14 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-15	S-15 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-16	S-16 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-17	S-17 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-18	S-18 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-19	S-19 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-20	S-20 (Surface)	Total/NA	Solid	8015NM Prep	
MB 880-57952/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Prep Batch: 57952 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-57952/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-57952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-30830-1 MS	S-1 (Surface)	Total/NA	Solid	8015NM Prep	
880-30830-1 MSD	S-1 (Surface)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 58292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-2	S-2 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-3	S-3 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-4	S-4 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-5	S-5 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-6	S-6 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-7	S-7 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-8	S-8 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-9	S-9 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-10	S-10 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-11	S-11 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-12	S-12 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-13	S-13 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-14	S-14 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-15	S-15 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-16	S-16 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-17	S-17 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-18	S-18 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-19	S-19 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-20	S-20 (Surface)	Total/NA	Solid	8015B NM	57952
MB 880-57952/1-A	Method Blank	Total/NA	Solid	8015B NM	57952
LCS 880-57952/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	57952
LCSD 880-57952/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	57952
880-30830-1 MS	S-1 (Surface)	Total/NA	Solid	8015B NM	57952
880-30830-1 MSD	S-1 (Surface)	Total/NA	Solid	8015B NM	57952

Analysis Batch: 58470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Total/NA	Solid	8015 NM	
880-30830-2	S-2 (Surface)	Total/NA	Solid	8015 NM	
880-30830-3	S-3 (Surface)	Total/NA	Solid	8015 NM	
880-30830-4	S-4 (Surface)	Total/NA	Solid	8015 NM	
880-30830-5	S-5 (Surface)	Total/NA	Solid	8015 NM	
880-30830-6	S-6 (Surface)	Total/NA	Solid	8015 NM	
880-30830-7	S-7 (Surface)	Total/NA	Solid	8015 NM	
880-30830-8	S-8 (Surface)	Total/NA	Solid	8015 NM	
880-30830-9	S-9 (Surface)	Total/NA	Solid	8015 NM	
880-30830-10	S-10 (Surface)	Total/NA	Solid	8015 NM	
880-30830-11	S-11 (Surface)	Total/NA	Solid	8015 NM	
880-30830-12	S-12 (Surface)	Total/NA	Solid	8015 NM	
880-30830-13	S-13 (Surface)	Total/NA	Solid	8015 NM	
880-30830-14	S-14 (Surface)	Total/NA	Solid	8015 NM	
880-30830-15	S-15 (Surface)	Total/NA	Solid	8015 NM	
880-30830-16	S-16 (Surface)	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

GC Semi VOA (Continued)

Analysis Batch: 58470 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-17	S-17 (Surface)	Total/NA	Solid	8015 NM	
880-30830-18	S-18 (Surface)	Total/NA	Solid	8015 NM	
880-30830-19	S-19 (Surface)	Total/NA	Solid	8015 NM	
880-30830-20	S-20 (Surface)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 57910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Soluble	Solid	DI Leach	
880-30830-2	S-2 (Surface)	Soluble	Solid	DI Leach	
880-30830-3	S-3 (Surface)	Soluble	Solid	DI Leach	
880-30830-4	S-4 (Surface)	Soluble	Solid	DI Leach	
880-30830-5	S-5 (Surface)	Soluble	Solid	DI Leach	
880-30830-6	S-6 (Surface)	Soluble	Solid	DI Leach	
880-30830-7	S-7 (Surface)	Soluble	Solid	DI Leach	
880-30830-8	S-8 (Surface)	Soluble	Solid	DI Leach	
880-30830-9	S-9 (Surface)	Soluble	Solid	DI Leach	
880-30830-10	S-10 (Surface)	Soluble	Solid	DI Leach	
880-30830-11	S-11 (Surface)	Soluble	Solid	DI Leach	
880-30830-12	S-12 (Surface)	Soluble	Solid	DI Leach	
880-30830-13	S-13 (Surface)	Soluble	Solid	DI Leach	
880-30830-14	S-14 (Surface)	Soluble	Solid	DI Leach	
880-30830-15	S-15 (Surface)	Soluble	Solid	DI Leach	
880-30830-16	S-16 (Surface)	Soluble	Solid	DI Leach	
880-30830-17	S-17 (Surface)	Soluble	Solid	DI Leach	
880-30830-18	S-18 (Surface)	Soluble	Solid	DI Leach	
880-30830-19	S-19 (Surface)	Soluble	Solid	DI Leach	
880-30830-20	S-20 (Surface)	Soluble	Solid	DI Leach	
MB 880-57910/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-57910/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-57910/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-30830-1 MS	S-1 (Surface)	Soluble	Solid	DI Leach	
880-30830-1 MSD	S-1 (Surface)	Soluble	Solid	DI Leach	
880-30830-11 MS	S-11 (Surface)	Soluble	Solid	DI Leach	
880-30830-11 MSD	S-11 (Surface)	Soluble	Solid	DI Leach	

Analysis Batch: 57958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-1	S-1 (Surface)	Soluble	Solid	300.0	57910
880-30830-2	S-2 (Surface)	Soluble	Solid	300.0	57910
880-30830-3	S-3 (Surface)	Soluble	Solid	300.0	57910
880-30830-4	S-4 (Surface)	Soluble	Solid	300.0	57910
880-30830-5	S-5 (Surface)	Soluble	Solid	300.0	57910
880-30830-6	S-6 (Surface)	Soluble	Solid	300.0	57910
880-30830-7	S-7 (Surface)	Soluble	Solid	300.0	57910
880-30830-8	S-8 (Surface)	Soluble	Solid	300.0	57910
880-30830-9	S-9 (Surface)	Soluble	Solid	300.0	57910
880-30830-10	S-10 (Surface)	Soluble	Solid	300.0	57910
880-30830-11	S-11 (Surface)	Soluble	Solid	300.0	57910
880-30830-12	S-12 (Surface)	Soluble	Solid	300.0	57910

Eurofins Midland

QC Association Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Analysis Batch: 57958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-30830-13	S-13 (Surface)	Soluble	Solid	300.0	57910
880-30830-14	S-14 (Surface)	Soluble	Solid	300.0	57910
880-30830-15	S-15 (Surface)	Soluble	Solid	300.0	57910
880-30830-16	S-16 (Surface)	Soluble	Solid	300.0	57910
880-30830-17	S-17 (Surface)	Soluble	Solid	300.0	57910
880-30830-18	S-18 (Surface)	Soluble	Solid	300.0	57910
880-30830-19	S-19 (Surface)	Soluble	Solid	300.0	57910
880-30830-20	S-20 (Surface)	Soluble	Solid	300.0	57910
MB 880-57910/1-A	Method Blank	Soluble	Solid	300.0	57910
LCS 880-57910/2-A	Lab Control Sample	Soluble	Solid	300.0	57910
LCSD 880-57910/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	57910
880-30830-1 MS	S-1 (Surface)	Soluble	Solid	300.0	57910
880-30830-1 MSD	S-1 (Surface)	Soluble	Solid	300.0	57910
880-30830-11 MS	S-11 (Surface)	Soluble	Solid	300.0	57910
880-30830-11 MSD	S-11 (Surface)	Soluble	Solid	300.0	57910

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-1 (Surface)

Lab Sample ID: 880-30830-1

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 11:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 11:21	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		5			57958	07/18/23 18:07	CH	EET MID

Client Sample ID: S-2 (Surface)

Lab Sample ID: 880-30830-2

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 11:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		50			57958	07/18/23 18:23	CH	EET MID

Client Sample ID: S-3 (Surface)

Lab Sample ID: 880-30830-3

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 12:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 12:48	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		20			57958	07/18/23 18:28	CH	EET MID

Client Sample ID: S-4 (Surface)

Lab Sample ID: 880-30830-4

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 12:35	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-4 (Surface)

Lab Sample ID: 880-30830-4

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 13:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		5			57958	07/18/23 18:33	CH	EET MID

Client Sample ID: S-5 (Surface)

Lab Sample ID: 880-30830-5

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 12:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		10			57958	07/18/23 18:38	CH	EET MID

Client Sample ID: S-6 (Surface)

Lab Sample ID: 880-30830-6

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 13:16	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 13:54	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		20			57958	07/18/23 18:54	CH	EET MID

Client Sample ID: S-7 (Surface)

Lab Sample ID: 880-30830-7

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 13:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 14:16	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-7 (Surface)

Lab Sample ID: 880-30830-7

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		5			57958	07/18/23 18:59	CH	EET MID

Client Sample ID: S-8 (Surface)

Lab Sample ID: 880-30830-8

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 13:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 14:38	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		10			57958	07/18/23 19:04	CH	EET MID

Client Sample ID: S-9 (Surface)

Lab Sample ID: 880-30830-9

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 14:18	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 15:00	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 19:09	CH	EET MID

Client Sample ID: S-10 (Surface)

Lab Sample ID: 880-30830-10

Date Collected: 07/14/23 00:00

Matrix: Solid

Date Received: 07/17/23 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 14:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 15:22	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		5			57958	07/18/23 19:14	CH	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-11 (Surface)

Date Collected: 07/14/23 00:00

Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 16:02	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 16:07	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 19:19	CH	EET MID

Client Sample ID: S-12 (Surface)

Date Collected: 07/14/23 00:00

Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 16:23	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/18/23 16:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 16:29	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		5			57958	07/18/23 19:35	CH	EET MID

Client Sample ID: S-13 (Surface)

Date Collected: 07/14/23 00:00

Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 16:43	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 16:52	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 19:40	CH	EET MID

Client Sample ID: S-14 (Surface)

Date Collected: 07/14/23 00:00

Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 17:04	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-14 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 17:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 19:55	CH	EET MID

Client Sample ID: S-15 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 17:25	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 17:37	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:00	CH	EET MID

Client Sample ID: S-16 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 17:46	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 17:59	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:06	CH	EET MID

Client Sample ID: S-17 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 18:06	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 18:21	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Client Sample ID: S-17 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:11	CH	EET MID

Client Sample ID: S-18 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 18:27	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 18:43	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:16	CH	EET MID

Client Sample ID: S-19 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 18:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 19:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:21	CH	EET MID

Client Sample ID: S-20 (Surface)
Date Collected: 07/14/23 00:00
Date Received: 07/17/23 16:32

Lab Sample ID: 880-30830-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	57896	07/18/23 08:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	57900	07/18/23 19:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			57980	07/19/23 09:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			58470	07/25/23 11:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	57952	07/18/23 13:28	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	58292	07/24/23 19:26	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	57910	07/18/23 09:23	KS	EET MID
Soluble	Analysis	300.0		1			57958	07/18/23 20:26	CH	EET MID

Lab Chronicle

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global
Project/Site: Earthstone-Antler 17 State #001

Job ID: 880-30830-1
SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-30830-1	S-1 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-2	S-2 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-3	S-3 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-4	S-4 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-5	S-5 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-6	S-6 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-7	S-7 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-8	S-8 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-9	S-9 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-10	S-10 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-11	S-11 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-12	S-12 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-13	S-13 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-14	S-14 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-15	S-15 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-16	S-16 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-17	S-17 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-18	S-18 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-19	S-19 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32
880-30830-20	S-20 (Surface)	Solid	07/14/23 00:00	07/17/23 16:32



880-30830 Chain of Custody

Page 1 of 2

Work Order Comments

Program: ☐ UST/PST ☐ PRP ☐ brownfields ☐ RRC ☐ Superfund ☐


State of Project

Reporting Level II ☐ Level III ☐ PST/UST ☐ FRP ☐ Level IV ☐

Deliverables EDD ☒ ADAPT ☐ Other

[illegible]

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Relinquished by: (Signature)	Received by (Signature)	Date/Time	Relinquished by: (Signature)	Received by (Signature)	Date/Time
Grant Gardner		7/17/23			
		1082			



Chain of Custody


Work Order No:

Loc: 880
30830

7/25/2023

Project Manager	Jeff Kindley	Bill to: (if different)	Chris Martin
Company Name	NTG Environmental	Company Name:	Earthstone Energy
Address	701 Tradewinds Blvd, Suite C	Address:	600 N Marrenfield Suite 1000
City, State ZIP	Midland, TX 79706	City, State ZIP	Midland Texas 79701
Phone:	432-967-6544	Email:	kindley@ntgglobal.com bhaskeili@ntgglobal.com

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

Project Name		Earthstone - Antler 17 State #001		Turn Around		ANALYSIS REQUEST												Preservative Codes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Additional Comments:

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Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
Grant Gardner		7/17/23			2
		7/16/22			4
					6

Login Sample Receipt Checklist

Client: NT Global

Job Number: 880-30830-1
SDG Number: Lea Co., NM

Login Number: 30830
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

August 09, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 15:35.

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 with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 1 (1') (H234095-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36	
Total BTX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	156	78.1	200	0.994	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	172	86.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (2') (H234095-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEx	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	156	78.1	200	0.994	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	172	86.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 1 (3') (H234095-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	156	78.1	200	0.994	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	172	86.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 2 (1') (H234095-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEx	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	156	78.1	200	0.994	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	172	86.2	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 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: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 3 (1') (H234095-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 4 (1') (H234095-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 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: 08/02/2023
Reported: 08/09/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 (1') (H234095-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEx	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/02/2023
Reported: 08/09/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 5 (2') (H234095-08)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Analytical Results For:

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

Received: 08/02/2023
Reported: 08/09/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 6 (1') (H234095-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 7 (1') (H234095-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Analytical Results For:

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

Received: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 (1') (H234095-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 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:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 10 (1') (H234095-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 12 (1') (H234095-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 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:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 12 (2') (H234095-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54	
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76	
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36	
Total BTEX	<0.300	0.300	08/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 12 (3') (H234095-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	08/08/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 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:	08/02/2023	Sampling Date:	08/02/2023
Reported:	08/09/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: S - 12 (4') (H234095-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEX	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/08/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 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: 08/02/2023
 Reported: 08/09/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 10 A (SURFACE) (H234095-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2023	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	08/08/2023	ND	2.10	105	2.00	1.54		
Ethylbenzene*	<0.050	0.050	08/08/2023	ND	1.98	99.2	2.00	1.76		
Total Xylenes*	<0.150	0.150	08/08/2023	ND	5.94	99.0	6.00	2.36		
Total BTEx	<0.300	0.300	08/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2023	ND	167	83.5	200	1.24	
DRO >C10-C28*	<10.0	10.0	08/07/2023	ND	167	83.3	200	1.86	
EXT DRO >C28-C36	<10.0	10.0	08/07/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 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: NTG Environmental		P.O. #:		BILL TO				ANALYSIS REQUEST									
Project Manager: Betsy Haskell		Company: Earthstone															
Address: 701 Trendwinds Blvd		Attn: Chris Martin															
City: Midland		Address: 600 N. Main St															
State: TX		City: Midland															
Zip: 79705		State: TX															
Phone #: 432-466-1915		Fax #: 79705															
Project #: 237579		Project Owner:															
Project Name: Antler 17 State #1		Project Location: Lea Co., NM															
Sampler Name: Nick Hart Grant Gardner		Fax #:															
FOR LAB USE ONLY		PRESERV		SAMPLING													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV		SAMPLING	
H234095		1 S-1 (1')		X		X		X		X		X		X		X	
2 S-1 (2')		X		X		X		X		X		X		X		X	
3 S-1 (3')		X		X		X		X		X		X		X		X	
4 S-2 (1')		X		X		X		X		X		X		X		X	
5 S-3 (1')		X		X		X		X		X		X		X		X	
6 S-4 (1')		X		X		X		X		X		X		X		X	
7 S-5 (1')		X		X		X		X		X		X		X		X	
8 S-5 (2')		X		X		X		X		X		X		X		X	
9 S-6 (1')		X		X		X		X		X		X		X		X	
10 S-7 (1')		X		X		X		X		X		X		X		X	
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Relinquished By: Grant Gardner		Date: 8.2.23		Received By: Chris Martin		Date: 8.2.23		Time: 11		X		X		X		X	
Relinquished By: Chris Martin		Date: 8.2.23		Received By: Chris Martin		Date: 8.2.23		Time: 11		X		X		X		X	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition	
Sampler - UPS - Bus - Other:		4.1				Cool Intact		A.C.		Rush		11/40		Cool Intact		Observed Temp. °C	
THERMOMETER # 330710/22						Cool Intact				12/23		12/23		Cool Intact		Corrected Temp. °C	
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com																	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: N7 Environmental						BILL TO						ANALYSIS REQUEST											
Project Manager: Becky Haskell						P.O. #:																	
Address: 701 Tradewinds Blvd						Company: Earth Stone																	
City: Midland						Attn: Chris Martin																	
Phone #: 432-466-1918						Address: 600 N. Marientel						Suite 1000											
Fax #: 237579						City: Midland																	
Project #: 237579						State: TX zip: 79705																	
Project Location: Leavelle State #1						State: TX zip: 79705																	
Sample Name: Nick Hart Great Gardner						Phone #:																	
FOR LAB USE ONLY						Fax #:																	
Lab I.D.						PRESERV																	
Sample I.D.						SAMPLING																	
H234085						(G)RAB OR (C)OMP																	
						# CONTAINERS																	
						GROUNDWATER																	
						WASTEWATER																	
						SOIL																	
						OIL																	
						SLUDGE																	
						OTHER :																	
						ACID/BASE:																	
						ICE / COOL																	
						OTHER :																	
						DATE																	
						TIME																	
11 S-8 C(1)						X						BTEX 8021											
12 S-10 (1)						X						TPH 8015											
13 S-12 (1)						X						Chlorides 4500											
14 S-12 (2)						X																	
15 S-12 (3)						X																	
16 S-12 (4)						X																	
17 F1-10A (5-fate)						X																	
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Relinquished By: Great Gardner						Date: 8.2.23						Received By: Chris Martin						Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:					
Time: 1535						Date: 8.2.23						Remarks: Chris Martin Becky Haskell						pH Results are emailed. Please provide Email address:					
Delivered By: (Circle One)						Observed Temp. °C 4.1						Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						CHECKED BY: (Initials) JPD					
Sampler - UPS - Bus - Other:						Corrected Temp. °C						Tumaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>						Thermometer ID #113 #140					
												Correction Factor +0.3°C						Date: 8/2/23					
																		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No					
																		Observed Temp. °C					
																		Corrected Temp. °C					

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

October 23, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 09/15/23 13:26.

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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (1')	H235007-01	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 2 (1')	H235007-02	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 3 (1')	H235007-03	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 4 (1')	H235007-04	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 5 (1')	H235007-05	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 6 (1')	H235007-06	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 7 (1')	H235007-07	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 8 (1')	H235007-08	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 9 (1')	H235007-09	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 10 (1')	H235007-10	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 11 (1')	H235007-11	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 12 (1')	H235007-12	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 13 (1')	H235007-13	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 14 (1')	H235007-14	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 15 (1')	H235007-15	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 16 (1')	H235007-16	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 17 (1')	H235007-17	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 18 (1')	H235007-18	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 19 (1')	H235007-19	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 20 (1')	H235007-20	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 21 (1')	H235007-21	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 22 (1')	H235007-22	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 23 (1')	H235007-23	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 24 (1')	H235007-24	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 25 (1')	H235007-25	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 26 (1')	H235007-26	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 27 (1')	H235007-27	Soil	15-Sep-23 09:00	15-Sep-23 13:26

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 28 (1')	H235007-28	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 29 (1')	H235007-29	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 30 (1')	H235007-30	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 31 (4')	H235007-31	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 32 (4')	H235007-32	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 33 (4')	H235007-33	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 34 (4')	H235007-34	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 35 (4')	H235007-35	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 36 (6')	H235007-36	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 37 (4')	H235007-37	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 38 (4')	H235007-38	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 39 (4')	H235007-39	Soil	15-Sep-23 09:00	15-Sep-23 13:26
CS - 40 (4')	H235007-40	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 1 (0-1')	H235007-41	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 2 (0-4')	H235007-42	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 3 (0-1')	H235007-43	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 4 (0-1')	H235007-44	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 5 (4-6')	H235007-45	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 6 (1-4')	H235007-46	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 7 (1-4')	H235007-47	Soil	15-Sep-23 09:00	15-Sep-23 13:26
SW - 8 (1-4')	H235007-48	Soil	15-Sep-23 09:00	15-Sep-23 13:26

10/23/23 - Client changed the sample ID on -30 (see COC). This is the revised report and will replace the one sent on 09/18/23.

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 1 (1')
H235007-01 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134 3091516 JH/ 15-Sep-23 8021B

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

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	932		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	844		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane 114 % 48.2-134 3091519 MS 15-Sep-23 8015B

Surrogate: 1-Chlorooctadecane 182 % 49.1-148 3091519 MS 15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 2 (1')
H235007-02 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.1 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 3 (1')
H235007-03 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	1060		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	1110		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			89.3 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 4 (1')
H235007-04 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	223		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	81.7		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			90.9 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			110 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 5 (1')
H235007-05 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134 3091516 JH/ 15-Sep-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	24.8		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	15.3		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane 92.1 % 48.2-134 3091519 MS 15-Sep-23 8015B

Surrogate: 1-Chlorooctadecane 104 % 49.1-148 3091519 MS 15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 6 (1')
H235007-06 (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	3091806	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.7 %		48.2-134	3091519	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.0 %		49.1-148	3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 7 (1')
H235007-07 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			118 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			129 %	49.1-148		3091519	MS	15-Sep-23	8015B	
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Cardinal Laboratories

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 8 (1')
H235007-08 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	18.4		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	11.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.0 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3091519	MS	15-Sep-23	8015B	
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Cardinal Laboratories

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 9 (1')
H235007-09 (Soil)

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

Chloride	416		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	25.2		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	13.9		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 10 (1')
H235007-10 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091516	JH/	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091516	JH/	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	3091516	JH/	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	10.9		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.2 %		48.2-134	3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		49.1-148	3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 11 (1')
H235007-11 (Soil)

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

Chloride	16.0		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		112 %		71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane		90.7 %		48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane		98.8 %		49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 12 (1')
H235007-12 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			87.9 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.3 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 13 (1')**H235007-13 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.1 %	48.2-134		3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 14 (1')
H235007-14 (Soil)

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

Chloride	800		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.3 %		48.2-134	3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			110 %		49.1-148	3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 15 (1')
H235007-15 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %		71.5-134	3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			87.9 %		48.2-134	3091519	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.7 %		49.1-148	3091519	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 16 (1')
H235007-16 (Soil)

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

Chloride	1220		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		113 %		71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane		94.7 %		48.2-134		3091519	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane		104 %		49.1-148		3091519	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 17 (1')
H235007-17 (Soil)

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

Chloride	736		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane			94.5 %	48.2-134		3091519	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3091519	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 18 (1')
H235007-18 (Soil)

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

Chloride	608		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091519	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane			94.5 %		48.2-134	3091519	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %		49.1-148	3091519	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 19 (1')
H235007-19 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.9 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 20 (1')
H235007-20 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.8 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			115 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 21 (1')
H235007-21 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.2 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			115 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 22 (1')
H235007-22 (Soil)

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

Chloride	176		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %		71.5-134	3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			99.7 %		48.2-134	3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %		49.1-148	3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 23 (1')
H235007-23 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		117 %		71.5-134	3091521	MS	15-Sep-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctane		102 %		48.2-134	3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane		123 %		49.1-148	3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 24 (1')
H235007-24 (Soil)

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

Chloride	240		16.0	mg/kg	4	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)		116 %		71.5-134	3091521	MS	15-Sep-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctane		101 %		48.2-134	3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane		120 %		49.1-148	3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 25 (1')
H235007-25 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			116 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 26 (1')
H235007-26 (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	3091807	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.8 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 27 (1')
H235007-27 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3091521	MS	15-Sep-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctane			100 %	48.2-134		3091520	MS	15-Sep-23	8015B	
Surrogate: 1-Chlorooctadecane			120 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 28 (1')
H235007-28 (Soil)

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

Chloride	368		16.0	mg/kg	4	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			92.6 %		48.2-134	3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			111 %		49.1-148	3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 29 (1')
H235007-29 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			126 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 30 (1')
H235007-30 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091521	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091521	MS	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %	71.5-134		3091521	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			100 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			121 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 31 (4')
H235007-31 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3091522	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			126 %	49.1-148		3091520	MS	15-Sep-23	8015B	
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Cardinal Laboratories

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 32 (4')
H235007-32 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	15-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3091522	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3091520	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	49.1-148		3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 33 (4')
H235007-33 (Soil)

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

Chloride	304		16.0	mg/kg	4	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3091522	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.7 %		48.2-134	3091520	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %		49.1-148	3091520	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 34 (4')
H235007-34 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	15-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	15-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3091522	MS	15-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			105 %	48.2-134		3091520	MS	16-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			125 %	49.1-148		3091520	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 35 (4')
H235007-35 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane			104 %	48.2-134		3091520	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			124 %	49.1-148		3091520	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 36 (6')
H235007-36 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			102 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %	48.2-134		3091520	MS	16-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			123 %	49.1-148		3091520	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 37 (4')
H235007-37 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane	103 %	48.2-134	3091520	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	124 %	49.1-148	3091520	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 38 (4')
H235007-38 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091520	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.7 %	48.2-134		3091520	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		3091520	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 39 (4')
H235007-39 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.5 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			108 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

CS - 40 (4')
H235007-40 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.2 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 1 (0-1')**H235007-41 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.5 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 2 (0-4')**H235007-42 (Soil)**

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

Chloride	704		16.0	mg/kg	4	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.7 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			98.8 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 3 (0-1')**H235007-43 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane			93.0 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 4 (0-1')**H235007-44 (Soil)**

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

Chloride	2000		16.0	mg/kg	4	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane	93.2 %	48.2-134	3091523	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	101 %	49.1-148	3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 5 (4-6')**H235007-45 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3091522	MS	16-Sep-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B

Surrogate: 1-Chlorooctane	87.8 %	48.2-134	3091523	MS	15-Sep-23	8015B
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Surrogate: 1-Chlorooctadecane	96.2 %	49.1-148	3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 6 (1-4')**H235007-46 (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	3091808	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			90.3 %	48.2-134		3091523	MS	15-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.6 %	49.1-148		3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 7 (1-4')**H235007-47 (Soil)**

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

Chloride	1260		16.0	mg/kg	4	3091809	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3091523	MS	15-Sep-23	8015B	

Surrogate: 1-Chlorooctane	89.0 %	48.2-134	3091523	MS	15-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	97.4 %	49.1-148	3091523	MS	15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

SW - 8 (1-4')**H235007-48 (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	3091809	AC	18-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3091522	MS	16-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3091522	MS	16-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3091522	MS	16-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3091523	MS	16-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3091523	MS	16-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3091523	MS	16-Sep-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3091523	MS	16-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		3091523	MS	16-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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 3091806 - 1:4 DI Water**Blank (3091806-BLK1)**

Prepared & Analyzed: 18-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3091806-BS1)

Prepared & Analyzed: 18-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3091806-BSD1)

Prepared & Analyzed: 18-Sep-23

Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
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Batch 3091807 - 1:4 DI Water**Blank (3091807-BLK1)**

Prepared & Analyzed: 18-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3091807-BS1)

Prepared & Analyzed: 18-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (3091807-BSD1)

Prepared & Analyzed: 18-Sep-23

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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Batch 3091808 - 1:4 DI Water**Blank (3091808-BLK1)**

Prepared & Analyzed: 18-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3091808-BS1)

Prepared & Analyzed: 18-Sep-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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 3091808 - 1:4 DI Water**LCS Dup (3091808-BSD1)**

Prepared & Analyzed: 18-Sep-23

Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
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Batch 3091809 - 1:4 DI Water**Blank (3091809-BLK1)**

Prepared & Analyzed: 18-Sep-23

Chloride	ND	16.0	mg/kg							
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LCS (3091809-BS1)

Prepared & Analyzed: 18-Sep-23

Chloride	400	16.0	mg/kg	400		100	80-120			
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LCS Dup (3091809-BSD1)

Prepared & Analyzed: 18-Sep-23

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091516 - Volatiles**Blank (3091516-BLK1)**

Prepared & Analyzed: 15-Sep-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)	0.0570		mg/kg	0.0500		114	71.5-134			

LCS (3091516-BS1)

Prepared & Analyzed: 15-Sep-23

Benzene	1.97	0.050	mg/kg	2.00		98.3	82.8-130			
Toluene	1.94	0.050	mg/kg	2.00		97.1	86-128			
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0532		mg/kg	0.0500		106	71.5-134			

LCS Dup (3091516-BSD1)

Prepared & Analyzed: 15-Sep-23

Benzene	1.88	0.050	mg/kg	2.00		93.9	82.8-130	4.64	15.8	
Toluene	1.86	0.050	mg/kg	2.00		93.1	86-128	4.20	15.9	
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.6	85.9-128	4.37	16	
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	89-129	3.58	16.2	
o-Xylene	1.99	0.050	mg/kg	2.00		99.7	86.1-125	2.46	16.7	
Total Xylenes	6.00	0.150	mg/kg	6.00		100	88.2-128	3.21	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0524		mg/kg	0.0500		105	71.5-134			

Batch 3091521 - Volatiles**Blank (3091521-BLK1)**

Prepared & Analyzed: 15-Sep-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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091521 - Volatiles**Blank (3091521-BLK1)**

Prepared & Analyzed: 15-Sep-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0567		mg/kg	0.0500		113	71.5-134			

LCS (3091521-BS1)

Prepared & Analyzed: 15-Sep-23

Benzene	1.90	0.050	mg/kg	2.00		95.0	82.8-130			
Toluene	1.97	0.050	mg/kg	2.00		98.6	86-128			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.7	85.9-128			
m,p-Xylene	3.79	0.100	mg/kg	4.00		94.7	89-129			
o-Xylene	1.85	0.050	mg/kg	2.00		92.3	86.1-125			
Total Xylenes	5.63	0.150	mg/kg	6.00		93.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.7	71.5-134			

LCS Dup (3091521-BS1)

Prepared & Analyzed: 15-Sep-23

Benzene	1.95	0.050	mg/kg	2.00		97.6	82.8-130	2.70	15.8	
Toluene	2.02	0.050	mg/kg	2.00		101	86-128	2.65	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	85.9-128	4.61	16	
m,p-Xylene	4.00	0.100	mg/kg	4.00		100	89-129	5.61	16.2	
o-Xylene	1.92	0.050	mg/kg	2.00		96.0	86.1-125	3.95	16.7	
Total Xylenes	5.93	0.150	mg/kg	6.00		98.8	88.2-128	5.07	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	71.5-134			

Batch 3091522 - Volatiles**Blank (3091522-BLK1)**

Prepared & Analyzed: 15-Sep-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)	0.0517		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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091522 - Volatiles**LCS (3091522-BS1)**

Prepared & Analyzed: 15-Sep-23

Benzene	1.98	0.050	mg/kg	2.00		99.2	82.8-130			
Toluene	2.01	0.050	mg/kg	2.00		101	86-128			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	85.9-128			
m,p-Xylene	3.98	0.100	mg/kg	4.00		99.5	89-129			
o-Xylene	1.88	0.050	mg/kg	2.00		93.8	86.1-125			
Total Xylenes	5.86	0.150	mg/kg	6.00		97.6	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0497		mg/kg	0.0500		99.3	71.5-134			

LCS Dup (3091522-BS1)

Prepared & Analyzed: 15-Sep-23

Benzene	1.95	0.050	mg/kg	2.00		97.6	82.8-130	1.67	15.8	
Toluene	1.96	0.050	mg/kg	2.00		97.9	86-128	2.73	15.9	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	85.9-128	2.02	16	
m,p-Xylene	3.91	0.100	mg/kg	4.00		97.8	89-129	1.71	16.2	
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	86.1-125	0.121	16.7	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.4	88.2-128	1.20	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.4	71.5-134			

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Analytical Results For:

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

Project: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091519 - General Prep - Organics**Blank (3091519-BLK1)**

Prepared & Analyzed: 15-Sep-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	41.1		mg/kg	50.0		82.2	48.2-134			
Surrogate: 1-Chlorooctadecane	44.9		mg/kg	50.0		89.7	49.1-148			

LCS (3091519-BS1)

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	187	10.0	mg/kg	200		93.5	66.4-123			
DRO >C10-C28	199	10.0	mg/kg	200		99.6	66.5-118			
Total TPH C6-C28	386	10.0	mg/kg	400		96.5	77.6-123			
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.7	48.2-134			
Surrogate: 1-Chlorooctadecane	51.6		mg/kg	50.0		103	49.1-148			

LCS Dup (3091519-BS1)

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	195	10.0	mg/kg	200		97.6	66.4-123	4.35	17.7	
DRO >C10-C28	205	10.0	mg/kg	200		102	66.5-118	2.74	21	
Total TPH C6-C28	400	10.0	mg/kg	400		100	77.6-123	3.52	18.5	
Surrogate: 1-Chlorooctane	44.8		mg/kg	50.0		89.5	48.2-134			
Surrogate: 1-Chlorooctadecane	45.5		mg/kg	50.0		90.9	49.1-148			

Batch 3091520 - General Prep - Organics**Blank (3091520-BLK1)**

Prepared & Analyzed: 15-Sep-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	43.6		mg/kg	50.0		87.1	48.2-134			
Surrogate: 1-Chlorooctadecane	51.3		mg/kg	50.0		103	49.1-148			

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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: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 3091520 - General Prep - Organics**LCS (3091520-BS1)**

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	200	10.0	mg/kg	200		100	66.4-123			
DRO >C10-C28	213	10.0	mg/kg	200		107	66.5-118			
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123			
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	60.0		mg/kg	50.0		120	49.1-148			

LCS Dup (3091520-BS1)

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	204	10.0	mg/kg	200		102	66.4-123	2.02	17.7	
DRO >C10-C28	214	10.0	mg/kg	200		107	66.5-118	0.294	21	
Total TPH C6-C28	418	10.0	mg/kg	400		104	77.6-123	1.13	18.5	
Surrogate: 1-Chlorooctane	47.7		mg/kg	50.0		95.4	48.2-134			
Surrogate: 1-Chlorooctadecane	53.0		mg/kg	50.0		106	49.1-148			

Batch 3091523 - General Prep - Organics**Blank (3091523-BLK1)**

Prepared & Analyzed: 15-Sep-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	45.6		mg/kg	50.0		91.2	48.2-134			
Surrogate: 1-Chlorooctadecane	50.6		mg/kg	50.0		101	49.1-148			

LCS (3091523-BS1)

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	184	10.0	mg/kg	200		92.0	66.4-123			
DRO >C10-C28	199	10.0	mg/kg	200		99.4	66.5-118			
Total TPH C6-C28	383	10.0	mg/kg	400		95.7	77.6-123			
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	62.2		mg/kg	50.0		124	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: ANTLER 17 STATE #1
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:21

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

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

Batch 3091523 - General Prep - Organics**LCS Dup (3091523-BSD1)**

Prepared & Analyzed: 15-Sep-23

GRO C6-C10	199	10.0	mg/kg	200		99.4	66.4-123	7.73	17.7	
DRO >C10-C28	208	10.0	mg/kg	200		104	66.5-118	4.40	21	
Total TPH C6-C28	407	10.0	mg/kg	400		102	77.6-123	6.02	18.5	
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	49.1-148			

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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



BILL TO

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTEC Project Manager: Beaux Haskell Address: 209 W. Main St City: Carlsbad State: NM Zip: 88220 Phone #: 432-924-8056 Fax #: Project #: 237579 Project Owner: Earthstone Project Name: Antler 17 001 Project Location: Lea County Sampler Name: Tyler Marshall FOR LAB USE ONLY #35007		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST											
Lab I.D. Sample I.D.		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		PRESERV DATE TIME		SAMPLING Chlorides TPH BTEX									
11 12 13 14 15 16 17 18 19 20		ES-11 (1) CS-12 (1) CS-13 (1) CS-14 (1) CS-15 (1) CS-16 (1) CS-17 (1) CS-18 (1) CS-19 (1) CS-20 (1)		9/15 9-930											
Relinquished By: [Signature]		Date: 9-15 Time: 1:26 Received By: [Signature]		Vertical Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add Phone #: REMARKS: All Results are emailed. Please provide Email address:											
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -0.6 Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) [Signature]		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Rush 24hrs		Bacteria (only) <input type="checkbox"/> Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C					

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTC Project Manager: Beverly Haskell Address: 209 W. Melvin St City: Carlsbad State: NM Zip: 88220 Phone #: 432-924-8056 Fax #: Project #: 237579 Project Owner: Earthstone Project Name: Antler 17 001 Project Location: Lea County Sample Name: Tyler Mumball FOR LAB USE ONLY H235007		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST					
Lab I.D. Sample I.D. CS-21(1) CS-22(1) CS-23(1) CS-24(1) CS-25(1) CS-26(1) CS-27(1) CS-28(1) CS-29(1) CS-30(1)		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		DATE TIME 9/15 9-4301		Chlorides TPH BTEX			
Relinquished By: Date: 9-15 Time: 1:20pm Received By: Date: Time:		Received By: 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: * Customer requested 12 spots changes as of 10/19/23			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -0.6 Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: (Initials) JF		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C Observed Temp. °C Corrected Temp. °C			

FORM-000-R-3-4-07/11/12-3

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTC Project Manager: Becerra Haskel Address: 209 W. Main St City: Carlsbad State: NM Zip: 88220 Phone #: 432-924-8056 Fax #: Project #: 237579 Project Owner: Earthstone Project Name: Antler 17 001 Project Location: Lea County Sampler Name: Tyler Mumball FOR LAB USE ONLY Lab I.D.: H355007		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		DATE 9-15 9-950		Chlorides TPH BTEX	
Sample I.D.: 31 32 33 34 35 36 37 38 39 40		DATE 9-15 9-950		Chlorides TPH BTEX	
Relinquished By: [Signature] Date: 9-15 Time: 1:26 PM Received By: [Signature] Date: 9-15 Time: 1:26 PM		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: REMARKS: All Results are emailed. Please provide Email address:		Standard <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Turnaround Time: <input type="checkbox"/> Sample Condition Thermometer ID #140 <input type="checkbox"/> Observed Temp. °C Correction Factor 0°C <input type="checkbox"/> Corrected Temp. °C	



ANALYSIS REQUEST

Page 65 of 65

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

October 23, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 09/26/23 13:35.

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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 19 (1-4)	H235250-01	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 20 (1-2)	H235250-02	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 2A (0-4)	H235250-03	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 4A (0-1)	H235250-04	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 6A (1-4)	H235250-05	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 7A (1-4)	H235250-06	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 8A (2-4)	H235250-07	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 41 (4')	H235250-08	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 42 (4')	H235250-09	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 43 (4')	H235250-10	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 9 (0-4')	H235250-11	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 10 (0-4')	H235250-12	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 11 (0-1')	H235250-13	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 12 (0-2')	H235250-14	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 13 (1-2')	H235250-15	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 14 (1-4')	H235250-16	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 15 (1-6')	H235250-17	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 16 (1-4')	H235250-18	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 17 (1-5')	H235250-19	Soil	26-Sep-23 09:00	26-Sep-23 13:35
SW - 18 (4-5')	H235250-20	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 44 (4')	H235250-21	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 45 (4')	H235250-22	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 46 (4')	H235250-23	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 47 (1')	H235250-24	Soil	26-Sep-23 09:00	26-Sep-23 13:35
CS - 48 (1')	H235250-25	Soil	26-Sep-23 09:00	26-Sep-23 13:35

10/23/23 - Login put the wrong sample depth on -13. This is the revised report and will replace the one sent on 09/27/23.

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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 19 (1-4)
H235250-01 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	960		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092629	MS	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092629	MS	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092629	MS	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092629	MS	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092629	MS	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134 3092629 MS 27-Sep-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane 95.2 % 48.2-134 3092630 MS 26-Sep-23 8015B

Surrogate: 1-Chlorooctadecane 102 % 49.1-148 3092630 MS 26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 20 (1-2)
H235250-02 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
-----------------	------------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
---------------------------------------	--	--	-------	----------	--	---------	-----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			89.1 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			94.1 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 2A (0-4)**H235250-03 (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	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			89.5 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.8 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 4A (0-1)
H235250-04 (Soil)

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

Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			102 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			108 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 6A (1-4)
H235250-05 (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	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			88.3 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.9 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 7A (1-4)**H235250-06 (Soil)**

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

Chloride	672		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.4 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 8A (2-4)**H235250-07 (Soil)**

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

Chloride	672		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane	103 %	48.2-134	3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	107 %	49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 41 (4')
H235250-08 (Soil)

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

Chloride	240		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.5 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 42 (4')
H235250-09 (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	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			97.6 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 43 (4')
H235250-10 (Soil)

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

Chloride	464		16.0	mg/kg	4	3092718	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.0 %		48.2-134	3092630	MS	26-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.7 %		49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 9 (0-4')
H235250-11 (Soil)

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

Chloride	304		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	864		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	150		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			98.6 %		48.2-134	3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %		49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 10 (0-4')**H235250-12 (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	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane			89.4 %	48.2-134		3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			94.5 %	49.1-148		3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 11 (0-1')**H235250-13 (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	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane	84.7 %	48.2-134	3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	89.0 %	49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 12 (0-2')**H235250-14 (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	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane	95.9 %	48.2-134	3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	103 %	49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 13 (1-2')**H235250-15 (Soil)**

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

Chloride	1380		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	26-Sep-23	8015B	

Surrogate: 1-Chlorooctane	94.0 %	48.2-134	3092630	MS	26-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	98.8 %	49.1-148	3092630	MS	26-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 14 (1-4')**H235250-16 (Soil)**

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

Chloride	2160		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			76.9 %	48.2-134		3092630	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			79.4 %	49.1-148		3092630	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 15 (1-6')**H235250-17 (Soil)**

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

Chloride	416		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			92.7 %	48.2-134		3092630	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			97.8 %	49.1-148		3092630	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 16 (1-4')**H235250-18 (Soil)**

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

Chloride	3080		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane	87.2 %	48.2-134	3092630	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	90.9 %	49.1-148	3092630	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 17 (1-5')**H235250-19 (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	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	110 %	71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane	104 %	48.2-134	3092630	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane	109 %	49.1-148	3092630	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

SW - 18 (4-5')**H235250-20 (Soil)**

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

Chloride	240		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5-134		3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092630	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			96.0 %	48.2-134		3092630	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3092630	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 44 (4')
H235250-21 (Soil)

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

Chloride	1800		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092631	JH/	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092631	JH/	27-Sep-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	3092631	JH/	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.9 %		48.2-134	3092632	MS	27-Sep-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			88.0 %		49.1-148	3092632	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 45 (4')
H235250-22 (Soil)

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

Chloride	2190		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092633	MS	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	3092633	MS	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			76.5 %		48.2-134	3092632	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			84.2 %		49.1-148	3092632	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 46 (4')
H235250-23 (Soil)

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

Chloride	2080		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092633	MS	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	3092633	MS	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			80.4 %		48.2-134	3092632	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			85.6 %		49.1-148	3092632	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 47 (1')
H235250-24 (Soil)

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

Chloride	352		16.0	mg/kg	4	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092633	MS	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			115 %		71.5-134	3092633	MS	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
DRO >C10-C28*	181		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			79.8 %		48.2-134	3092632	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %		49.1-148	3092632	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

CS - 48 (1')
H235250-25 (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	3092737	AC	27-Sep-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3092633	MS	27-Sep-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3092633	MS	27-Sep-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			114 %	71.5-134		3092633	MS	27-Sep-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3092632	MS	27-Sep-23	8015B	

Surrogate: 1-Chlorooctane			76.5 %	48.2-134		3092632	MS	27-Sep-23	8015B	
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Surrogate: 1-Chlorooctadecane			84.3 %	49.1-148		3092632	MS	27-Sep-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3092718 - 1:4 DI Water**Blank (3092718-BLK1)**

Prepared & Analyzed: 27-Sep-23

Chloride	ND	16.0	mg/kg						
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LCS (3092718-BS1)

Prepared & Analyzed: 27-Sep-23

Chloride	448	16.0	mg/kg	400	112	80-120			
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LCS Dup (3092718-BSD1)

Prepared & Analyzed: 27-Sep-23

Chloride	448	16.0	mg/kg	400	112	80-120	0.00	20	
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Batch 3092737 - 1:4 DI Water**Blank (3092737-BLK1)**

Prepared & Analyzed: 27-Sep-23

Chloride	ND	16.0	mg/kg						
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LCS (3092737-BS1)

Prepared & Analyzed: 27-Sep-23

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (3092737-BSD1)

Prepared & Analyzed: 27-Sep-23

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

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 3092629 - Volatiles**Blank (3092629-BLK1)**

Prepared & Analyzed: 26-Sep-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)	0.0538		mg/kg	0.0500		108	71.5-134			

LCS (3092629-BS1)

Prepared & Analyzed: 26-Sep-23

Benzene	1.89	0.050	mg/kg	2.00		94.5	82.8-130			
Toluene	1.97	0.050	mg/kg	2.00		98.7	86-128			
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.3	85.9-128			
m,p-Xylene	4.05	0.100	mg/kg	4.00		101	89-129			
o-Xylene	1.94	0.050	mg/kg	2.00		97.1	86.1-125			
Total Xylenes	5.99	0.150	mg/kg	6.00		99.9	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500		105	71.5-134			

LCS Dup (3092629-BSD1)

Prepared & Analyzed: 26-Sep-23

Benzene	1.88	0.050	mg/kg	2.00		94.1	82.8-130	0.473	15.8	
Toluene	1.96	0.050	mg/kg	2.00		97.9	86-128	0.850	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	85.9-128	0.206	16	
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89-129	0.543	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.6	86.1-125	0.604	16.7	
Total Xylenes	5.98	0.150	mg/kg	6.00		99.7	88.2-128	0.170	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	71.5-134			

Batch 3092631 - Volatiles**Blank (3092631-BLK1)**

Prepared: 26-Sep-23 Analyzed: 27-Sep-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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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

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 3092631 - Volatiles**Blank (3092631-BLK1)**

Prepared: 26-Sep-23 Analyzed: 27-Sep-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0554		mg/kg	0.0500		111	71.5-134			
LCS (3092631-BS1)										
Prepared & Analyzed: 26-Sep-23										
Benzene	1.78	0.050	mg/kg	2.00		88.8	82.8-130			
Toluene	1.79	0.050	mg/kg	2.00		89.3	86-128			
Ethylbenzene	1.88	0.050	mg/kg	2.00		94.1	85.9-128			
m,p-Xylene	3.76	0.100	mg/kg	4.00		93.9	89-129			
o-Xylene	1.85	0.050	mg/kg	2.00		92.7	86.1-125			
Total Xylenes	5.61	0.150	mg/kg	6.00		93.5	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

LCS Dup (3092631-BS1)

Prepared & Analyzed: 26-Sep-23

Benzene	1.71	0.050	mg/kg	2.00		85.7	82.8-130	3.53	15.8	
Toluene	1.75	0.050	mg/kg	2.00		87.4	86-128	2.12	15.9	
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.6	85.9-128	1.62	16	
m,p-Xylene	3.69	0.100	mg/kg	4.00		92.3	89-129	1.71	16.2	
o-Xylene	1.85	0.050	mg/kg	2.00		92.7	86.1-125	0.0207	16.7	
Total Xylenes	5.55	0.150	mg/kg	6.00		92.4	88.2-128	1.15	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0518		mg/kg	0.0500		104	71.5-134			

Batch 3092633 - Volatiles**Blank (3092633-BLK1)**

Prepared: 26-Sep-23 Analyzed: 27-Sep-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)	0.0565		mg/kg	0.0500		113	71.5-134			

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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

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

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

Batch 3092633 - Volatiles**LCS (3092633-BS1)**

Prepared: 26-Sep-23 Analyzed: 27-Sep-23

Benzene	1.95	0.050	mg/kg	2.00		97.7	82.8-130		
Toluene	2.06	0.050	mg/kg	2.00		103	86-128		
Ethylbenzene	2.25	0.050	mg/kg	2.00		112	85.9-128		
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.3	89-129		
o-Xylene	1.95	0.050	mg/kg	2.00		97.5	86.1-125		
Total Xylenes	5.88	0.150	mg/kg	6.00		98.0	88.2-128		

Surrogate: 4-Bromofluorobenzene (PID)

0.0524

mg/kg

0.0500

105

71.5-134

LCS Dup (3092633-BSD1)

Prepared: 26-Sep-23 Analyzed: 27-Sep-23

Benzene	1.97	0.050	mg/kg	2.00		98.4	82.8-130	0.719	15.8
Toluene	2.08	0.050	mg/kg	2.00		104	86-128	0.722	15.9
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	85.9-128	1.28	16
m,p-Xylene	3.99	0.100	mg/kg	4.00		99.8	89-129	1.55	16.2
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	86.1-125	0.708	16.7
Total Xylenes	5.93	0.150	mg/kg	6.00		98.8	88.2-128	0.806	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0527

mg/kg

0.0500

105

71.5-134

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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3092630 - General Prep - Organics**Blank (3092630-BLK1)**

Prepared & Analyzed: 26-Sep-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	44.9		mg/kg	50.0		89.7	48.2-134			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.9	49.1-148			

LCS (3092630-BS1)

Prepared & Analyzed: 26-Sep-23

GRO C6-C10	186	10.0	mg/kg	200		92.8	66.4-123			
DRO >C10-C28	181	10.0	mg/kg	200		90.6	66.5-118			
Total TPH C6-C28	367	10.0	mg/kg	400		91.7	77.6-123			
Surrogate: 1-Chlorooctane	49.5		mg/kg	50.0		99.0	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			

LCS Dup (3092630-BS1)

Prepared & Analyzed: 26-Sep-23

GRO C6-C10	188	10.0	mg/kg	200		93.9	66.4-123	1.23	17.7	
DRO >C10-C28	176	10.0	mg/kg	200		87.9	66.5-118	3.05	21	
Total TPH C6-C28	364	10.0	mg/kg	400		90.9	77.6-123	0.861	18.5	
Surrogate: 1-Chlorooctane	52.9		mg/kg	50.0		106	48.2-134			
Surrogate: 1-Chlorooctadecane	60.5		mg/kg	50.0		121	49.1-148			

Batch 3092632 - General Prep - Organics**Blank (3092632-BLK1)**

Prepared & Analyzed: 26-Sep-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	54.5		mg/kg	50.0		109	48.2-134			
Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	49.1-148			

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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:14

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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 3092632 - General Prep - Organics**LCS (3092632-BS1)**

Prepared & Analyzed: 26-Sep-23

GRO C6-C10	225	10.0	mg/kg	200		113	66.4-123			
DRO >C10-C28	227	10.0	mg/kg	200		114	66.5-118			
Total TPH C6-C28	452	10.0	mg/kg	400		113	77.6-123			
Surrogate: 1-Chlorooctane	59.0		mg/kg	50.0		118	48.2-134			
Surrogate: 1-Chlorooctadecane	66.9		mg/kg	50.0		134	49.1-148			

LCS Dup (3092632-BS1)

Prepared & Analyzed: 26-Sep-23

GRO C6-C10	190	10.0	mg/kg	200		94.9	66.4-123	17.1	17.7	
DRO >C10-C28	183	10.0	mg/kg	200		91.4	66.5-118	21.5	21	QR-02
Total TPH C6-C28	373	10.0	mg/kg	400		93.1	77.6-123	19.3	18.5	QR-02
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	59.0		mg/kg	50.0		118	49.1-148			

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Notes and Definitions

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- 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



Company Name:

Project Manager:

Address: 209 W. Main St

City: Carlsbad

Phone #: 432-924-8056

Project #: 237579

Project Name: Antics 17001

Project Location: Lea Canyon

Sampler Name: W. B. Campbell

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H235258

$$SW-19(1-4)$$
$$24 \text{ (axis)}$$
$$U - 6A \quad (1-y)$$

5-91 (2-9)

S-42 (4)
S-43 (4)

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Relinquished By:

Date: 8-7- Received By:

Time: 1:20

Relinquished By:

Date: 1:77

Time:

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: _____
(Initials)

Turnaround Time:

**Stand
Rush**



Bacteria (only)

Observed Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

<input checked="" type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	Yes
<input type="checkbox"/>	No	<input type="checkbox"/>	No

 $\sqrt{-}$ Thermometer ID #1140
Correction Factor 0°C

172

<input type="checkbox"/>	Yes	<input type="checkbox"/>	Yes
<input type="checkbox"/>	No	<input type="checkbox"/>	No

Corrected Term: C

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Page 35 of 37



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Atlet Hsieh</u>		BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Betsy Hsieh</u>		P.O. #:															
Address: <u>209 W. McKinley St</u>		Company: <u>Eaststone</u>															
City: <u>Carlsbad</u>		Attn:															
State: <u>NM</u> Zip: <u>88220</u>		Address:															
Phone #: <u>505-292-8086</u>		City:															
Fax #:		State:															
Project #: <u>237579</u>		Zip:															
Project Name: <u>Antler 17004</u>																	
Project Location: <u>Lea County</u>																	
Sampler Name: <u>Michael Lambell</u>		Phone #:															
Fax #:																	
<small>FOR LAB USE ONLY</small>																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING	
<u>4135250</u>		<u>SW-9 (0-4')</u>		<u>C 1</u>		<u>1</u>		<u>X</u>		<u>X</u>		<u>X</u>		<u>9-26</u>		<u>9:00AM</u>	
<u>11</u>		<u>SW-10 (0-4')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>12</u>		<u>SW-11 (0-1')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>13</u>		<u>SW-12 (0-2')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>14</u>		<u>SW-13 (1-4')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>15</u>		<u>SW-14 (1-4')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>16</u>		<u>SW-15 (1-6')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>17</u>		<u>SW-16 (1-4')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>18</u>		<u>SW-17 (1-5')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
<u>19</u>		<u>SW-18 (4-5')</u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>		<u></u>	
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Relinquished By: <u>[Signature]</u>		Date: <u>9-26</u>		Received By: <u>[Signature]</u>		Date: <u>9-26</u>		Time: <u>9:00AM</u>									
Relinquished By: <u>[Signature]</u>		Date: <u>1:35pm</u>		Received By: <u>[Signature]</u>		Date:		Time:									
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		(Initials)		Thermometer ID #140		Rush		Cool Intact		Observed Temp. °C		Corrected Temp. °C	
FORM 000 R-3-0711123				Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>						Yes <input type="checkbox"/> No <input type="checkbox"/>					

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

October 03, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 STATE #1

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 12:55.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	10/02/2023	Sampling Date:	09/29/2023
Reported:	10/03/2023	Sampling Type:	Soil
Project Name:	ANTLER 17 STATE #1	Sampling Condition:	Cool & Intact
Project Number:	237579	Sample Received By:	Dionica Hinojos
Project Location:	EARTHSTONE - LEA COUNTY, NM		

Sample ID: CS - 1A (4') (H235340-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 113 % 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: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 3A (4') (H235340-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTX	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	10/03/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 4A (4') (H235340-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEx	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 14A (6') (H235340-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTEX	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 15A (2') (H235340-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 16A (2') (H235340-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 17A (2') (H235340-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 10/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 18A (2') (H235340-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 21A (4') (H235340-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEx	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 22A (4') (H235340-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 38A (5') (H235340-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTEX	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 44A (6') (H235340-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTEx	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 45A (6') (H235340-13)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTEx	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 10/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 46A (6') (H235340-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEx	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 107 % 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: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 47A (2') (H235340-15)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	36.3	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 49 (4') (H235340-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/02/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 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: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: CS - 50 (4') (H235340-17)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/02/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	5.72	95.3	6.00	0.854		
Total BTEx	<0.300	0.300	10/02/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 7B (1-4') (H235340-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/03/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 10/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 8B (2-4') (H235340-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2023	ND	1.93	96.4	2.00	1.13		
Toluene*	<0.050	0.050	10/03/2023	ND	1.96	97.8	2.00	1.51		
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.89	94.7	2.00	1.08		
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.72	95.3	6.00	0.854		
Total BTEX	<0.300	0.300	10/03/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	10/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 9A (0-4') (H235340-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2023	ND	1.93	96.4	2.00	1.13	
Toluene*	<0.050	0.050	10/03/2023	ND	1.96	97.8	2.00	1.51	
Ethylbenzene*	<0.050	0.050	10/03/2023	ND	1.89	94.7	2.00	1.08	
Total Xylenes*	<0.150	0.150	10/03/2023	ND	5.72	95.3	6.00	0.854	
Total BTEX	<0.300	0.300	10/03/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	207	103	200	0.492	
DRO >C10-C28*	285	10.0	10/03/2023	ND	218	109	200	2.88	
EXT DRO >C28-C36	218	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 62.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW - 12A (0-2') (H235340-21)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62	
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86	
Total BTEX	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	10/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 13A (1-2') (H235340-22)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 14A (1-6') (H235340-23)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62	
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86	
Total BTEX	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/03/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 16A (1-4') (H235340-24)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 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: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW - 19A (1-4') (H235340-25)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Analytical Results For:

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

Received: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 21 (4-6') (H235340-26)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62	
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86	
Total BTEX	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/03/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	15.7	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 22 (2-5') (H235340-27)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86		
Total BTEX	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	16.2	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 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: 10/02/2023
 Reported: 10/03/2023
 Project Name: ANTLER 17 STATE #1
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 09/29/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 23 (1-2') (H235340-28)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62		
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30		
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99		
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86		
Total BTEx	<0.300	0.300	10/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	20.1	10.0	10/02/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/02/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/02/2023
Reported: 10/03/2023
Project Name: ANTLER 17 STATE #1
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY, NM

Sampling Date: 10/02/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW - 24 (4-6') (H235340-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/02/2023	ND	2.21	111	2.00	1.62	
Toluene*	<0.050	0.050	10/02/2023	ND	2.34	117	2.00	1.30	
Ethylbenzene*	<0.050	0.050	10/02/2023	ND	2.35	117	2.00	1.99	
Total Xylenes*	<0.150	0.150	10/02/2023	ND	6.55	109	6.00	1.86	
Total BTEX	<0.300	0.300	10/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2023	ND	186	92.8	200	1.04	
DRO >C10-C28*	<10.0	10.0	10/03/2023	ND	219	109	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	10/03/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NEW TECH CLOSER ENVIRONMENTAL Project Manager: BECKY HOSKEL Address: 706 Trade Winds Blvd Suite C City: Midland State: TX zip: 79707 Phone #: 237579 Fax #: Project #: 237579 Project Owner: Project Name: Antler 17 State #001 Project Location: Leocid, NM Sampler Name: Grant Gardner FOR LAB USE ONLY				BILL TO P.O. #: Company: Earth Stone Attn: Chris North Address: 600 McLean Field St City: Midland State: TX zip: 79701 Phone #: Fax #:			
Lab I.D. Sample I.D. CS-1A (4') CS-3A (4') CS-4A (4') CS-14A (6') CS-15A (2') CS-16A (2') CS-17A (2') CS-18A (2') CS-21A (4') CS-22A (4')				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:			
DATE 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23 9.29.23				TIME X X X X X X X X X X			
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:				ANALYSIS REQUEST BTEX TPH Chlorides			
Relinquished By: Time: 12:55 Date: 9/29/23 Received By: Time: Date:				Turnaround Time: 24h Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: New Tech Global Environmental										BILL TO										ANALYSIS REQUEST																			
Project Manager: Becky Hoskins										P.O. #:																													
Address: 701 Trademans Blvd Suite C										Company: Earthstone																													
City: Midland										Attn: Chris Martin																													
State: TX Zip: 79707										Address: 600 Morienfeld St Suite 1000																													
Phone #:										City: Midland																													
Fax #:										State: TX Zip: 79701																													
Project #: 237579										Project Owner:																													
Project Name: Antler 17 State #001										Phone #:																													
Project Location: Leow Co., NM										Fax #:																													
Sampler Name: Grant Gardner										FOR LAB USE ONLY																													
Lab I.D.										Sample I.D.																													
FOR LAB USE ONLY										MATRIX										PRESERV																			
										(G)RAB OR (C)OMP.																													
										# CONTAINERS																													
										GROUNDWATER																													
										WASTEWATER																													
										SOIL																													
										OIL																													
										SLUDGE																													
										OTHER :																													
										ACID/BASE:																													
										ICE / COOL																													
										OTHER :																													
										DATE										TIME																			
11										CS-38A (5')										4.29.23										X									
12										CS-44A (6')										4.29.23										X									
13										CS-45A (6')										4.29.23										X									
14										CS-46A (6')										10.2.23																			
15										CS-47A (2')										4.24.23																			
16										CS-49 (2')										9.29.23																			
17										CS-50 (4')										9.24.23																			
18										SW-7B (1-4')										4.24.23																			
19										SW-8B (2-4')										10.2.23																			
20										SW-9A (0-4')										4.24.23																			
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Relinquished By:										Date: 10/2/23										Received By:																			
Time: 12:55										Received By: [Signature]																													
Date:										Time:																													
Relinquished By:										Date:										Received By:																			
Time:										Date:																													
Delivered By: (Circle One)										Observed Temp. °C										Sample Condition																			
Cool / Intact										Cool / Intact										Cool / Intact																			
Yes										Yes										Yes																			
No										No										No																			
Sampler - UPS - Bus - Other:										Corrected Temp. °C										CHECKED BY: (Initials)																			
Turnaround Time: 24h										Standard										Bacteria (only) Sample Condition																			
Thermometer ID #140										Rush										Cool Intact																			
Correction Factor 0°C																				Yes																			
																				No																			
																				Observed Temp. °C																			
																				Corrected Temp. °C																			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

October 09, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 14:33.

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 49 A (6') (H235467-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/09/2023	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	10/06/2023	ND	192	96.1	200	7.64	
DRO >C10-C28*	<10.0	10.0	10/06/2023	ND	208	104	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	10/06/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 51 (4') (H235467-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTX	<0.300	0.300	10/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2023	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	10/07/2023	ND	192	96.1	200	7.64	
DRO >C10-C28*	<10.0	10.0	10/07/2023	ND	208	104	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	10/07/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/06/2023
 Reported: 10/09/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/06/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CS - 52 (6') (H235467-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/09/2023	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	10/09/2023	ND	192	96.1	200	7.64	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	208	104	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 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: 10/06/2023
Reported: 10/09/2023
Project Name: ANTLER 17 001
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/06/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shari Cisneros

Sample ID: CS - 54 (2') (H235467-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2023	ND	2.14	107	2.00	4.28	
Toluene*	<0.050	0.050	10/06/2023	ND	2.18	109	2.00	5.04	
Ethylbenzene*	<0.050	0.050	10/06/2023	ND	2.08	104	2.00	4.34	
Total Xylenes*	<0.150	0.150	10/06/2023	ND	6.27	105	6.00	4.77	
Total BTEX	<0.300	0.300	10/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/09/2023	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	10/07/2023	ND	192	96.1	200	7.64	
DRO >C10-C28*	<10.0	10.0	10/07/2023	ND	208	104	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	10/07/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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



Released to Imaging: 4/19/2024 2:27:50 PM

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

October 23, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 10/12/23 13:03.

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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 1A (0-6')	H235579-01	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 13B (1-6')	H235579-02	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 21A (4-6')	H235579-03	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 16B (1-7')	H235579-04	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 12B (0-2')	H235579-05	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 20A (1-2')	H235579-06	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 32 (2-6')	H235579-07	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 33 (0-6')	H235579-08	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 25 (4-6')	H235579-09	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 26 (1-6')	H235579-10	Soil	12-Oct-23 09:00	12-Oct-23 13:03
SW - 27 (0-7')	H235579-11	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 28 (4-7')	H235579-12	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 14B (6-8')	H235579-13	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 31 (0-6')	H235579-14	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 34 (1-6')	H235579-15	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 35 (1-5')	H235579-16	Soil	12-Oct-23 09:30	12-Oct-23 13:03
SW - 36 (4-6')	H235579-17	Soil	12-Oct-23 09:30	12-Oct-23 13:03
CS - 53 (6')	H235579-18	Soil	12-Oct-23 09:30	12-Oct-23 13:03
CS - 55 (8')	H235579-19	Soil	12-Oct-23 09:30	12-Oct-23 13:03
CS - 50A (7')	H235579-20	Soil	12-Oct-23 09:30	12-Oct-23 13:03
CS - 14B (8')	H235579-21	Soil	12-Oct-23 10:00	12-Oct-23 13:03
CS - 15B (6')	H235579-22	Soil	12-Oct-23 10:00	12-Oct-23 13:03
CS - 16B (6')	H235579-23	Soil	12-Oct-23 10:00	12-Oct-23 13:03
CS - 17B (6')	H235579-24	Soil	12-Oct-23 10:00	12-Oct-23 13:03

10/23/23 - Client changed the sample ID on -16 (see COC). This is the revised report and will replace the one sent on 10/13/23.

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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 1A (0-6')**H235579-01 (Soil)**

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

Chloride	1890		16.0	mg/kg	4	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3101214	MS	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	96.4 %	71.5-134	3101214	MS	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane	79.3 %	48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane	88.5 %	49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 13B (1-6')**H235579-02 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101214	MS	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134 3101214 MS 12-Oct-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane 92.9 % 48.2-134 3101217 MS 12-Oct-23 8015B

Surrogate: 1-Chlorooctadecane 103 % 49.1-148 3101217 MS 12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 21A (4-6')**H235579-03 (Soil)**

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

Chloride	448		16.0	mg/kg	4	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101214	MS	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101214	MS	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	94.8 %		71.5-134			3101214	MS	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane	87.9 %		48.2-134			3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane	97.6 %		49.1-148			3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 16B (1-7')**H235579-04 (Soil)**

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

Chloride	560		16.0	mg/kg	4	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101227	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %		71.5-134	3101227	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			86.7 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.0 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 12B (0-2')**H235579-05 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101227	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.5 %		71.5-134	3101227	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			79.8 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.1 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 20A (1-2')**H235579-06 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101227	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			100 %	71.5-134		3101227	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			92.3 %	48.2-134		3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 32 (2-6')**H235579-07 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3101227	MS	13-Oct-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3101227	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.2 %	71.5-134	3101227	MS	13-Oct-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B

Surrogate: 1-Chlorooctane	82.6 %	48.2-134	3101217	MS	12-Oct-23	8015B
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Surrogate: 1-Chlorooctadecane	89.8 %	49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 33 (0-6')**H235579-08 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			86.0 %	48.2-134		3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			93.7 %	49.1-148		3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 25 (4-6')**H235579-09 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			84.5 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			92.3 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 26 (1-6')**H235579-10 (Soil)**

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

Chloride	160		16.0	mg/kg	4	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			83.0 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.2 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 27 (0-7')**H235579-11 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			88.3 %	48.2-134		3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.5 %	49.1-148		3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 28 (4-7')**H235579-12 (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	3101316	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %		71.5-134	3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			104 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			114 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 14B (6-8')**H235579-13 (Soil)**

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

Chloride	448		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101301	JH	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101301	JH	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	3101301	JH	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			83.4 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.5 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 31 (0-6')**H235579-14 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		116 %		71.5-134		3101302	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane		86.0 %		48.2-134		3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane		97.1 %		49.1-148		3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 34 (1-6')**H235579-15 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			117 %		71.5-134	3101302	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			91.9 %		48.2-134	3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %		49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 35 (1-5')**H235579-16 (Soil)**

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

Chloride	432		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	118 %	71.5-134	3101302	MS	13-Oct-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B

Surrogate: 1-Chlorooctane	85.8 %	48.2-134	3101217	MS	12-Oct-23	8015B
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Surrogate: 1-Chlorooctadecane	97.0 %	49.1-148	3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

SW - 36 (4-6')**H235579-17 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	118 %		71.5-134			3101302	MS	13-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane	85.1 %		48.2-134			3101217	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane	91.8 %		49.1-148			3101217	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 53 (6')
H235579-18 (Soil)

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

Chloride	240		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134 3101302 MS 13-Oct-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	

Surrogate: 1-Chlorooctane 86.6 % 48.2-134 3101217 MS 13-Oct-23 8015B

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148 3101217 MS 13-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 55 (8')
H235579-19 (Soil)

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

Chloride	528		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101302	MS	13-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101302	MS	13-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134 3101302 MS 13-Oct-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	

Surrogate: 1-Chlorooctane 85.3 % 48.2-134 3101217 MS 13-Oct-23 8015B

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148 3101217 MS 13-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 50A (7')**H235579-20 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101216	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %		71.5-134	3101216	JH	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101217	MS	13-Oct-23	8015B	

Surrogate: 1-Chlorooctane			84.5 %		48.2-134	3101217	MS	13-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.3 %		49.1-148	3101217	MS	13-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 14B (8')**H235579-21 (Soil)**

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

Chloride	464		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101216	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	3101216	JH	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			68.0 %		48.2-134	3101218	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			75.4 %		49.1-148	3101218	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 15B (6')**H235579-22 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101216	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3101216	JH	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			71.4 %		48.2-134	3101218	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			80.4 %		49.1-148	3101218	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 16B (6')**H235579-23 (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	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101216	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			98.7 %		71.5-134	3101216	JH	12-Oct-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane			72.6 %		48.2-134	3101218	MS	12-Oct-23	8015B	
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Surrogate: 1-Chlorooctadecane			79.7 %		49.1-148	3101218	MS	12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

CS - 17B (6')**H235579-24 (Soil)**

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

Chloride	416		16.0	mg/kg	4	3101318	AC	13-Oct-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3101216	JH	12-Oct-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3101216	JH	12-Oct-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 3101216 JH 12-Oct-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3101218	MS	12-Oct-23	8015B	

Surrogate: 1-Chlorooctane 87.9 % 48.2-134 3101218 MS 12-Oct-23 8015B

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148 3101218 MS 12-Oct-23 8015B

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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3101316 - 1:4 DI Water**Blank (3101316-BLK1)**

Prepared & Analyzed: 13-Oct-23

Chloride	ND	16.0	mg/kg						
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LCS (3101316-BS1)

Prepared & Analyzed: 13-Oct-23

Chloride	448	16.0	mg/kg	400	112	80-120			
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LCS Dup (3101316-BSD1)

Prepared & Analyzed: 13-Oct-23

Chloride	432	16.0	mg/kg	400	108	80-120	3.64	20	
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Batch 3101318 - 1:4 DI Water**Blank (3101318-BLK1)**

Prepared & Analyzed: 13-Oct-23

Chloride	ND	16.0	mg/kg						
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LCS (3101318-BS1)

Prepared & Analyzed: 13-Oct-23

Chloride	432	16.0	mg/kg	400	108	80-120			
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LCS Dup (3101318-BSD1)

Prepared & Analyzed: 13-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101214 - Volatiles**Blank (3101214-BLK1)**

Prepared & Analyzed: 12-Oct-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		96.0	71.5-134			

LCS (3101214-BS1)

Prepared & Analyzed: 12-Oct-23

Benzene	2.00	0.050	mg/kg	2.00		99.8	82.8-130			
Toluene	2.03	0.050	mg/kg	2.00		102	86-128			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	85.9-128			
m,p-Xylene	3.97	0.100	mg/kg	4.00		99.2	89-129			
o-Xylene	1.86	0.050	mg/kg	2.00		93.1	86.1-125			
Total Xylenes	5.83	0.150	mg/kg	6.00		97.2	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0455		mg/kg	0.0500		90.9	71.5-134			

LCS Dup (3101214-BSD1)

Prepared & Analyzed: 12-Oct-23

Benzene	2.03	0.050	mg/kg	2.00		101	82.8-130	1.61	15.8	
Toluene	2.06	0.050	mg/kg	2.00		103	86-128	1.25	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		99.1	85.9-128	1.27	16	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89-129	1.70	16.2	
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	86.1-125	0.665	16.7	
Total Xylenes	5.91	0.150	mg/kg	6.00		98.5	88.2-128	1.37	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0468		mg/kg	0.0500		93.5	71.5-134			

Batch 3101216 - Volatiles**Blank (3101216-BLK1)**

Prepared & Analyzed: 12-Oct-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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101216 - Volatiles**Blank (3101216-BLK1)**

Prepared & Analyzed: 12-Oct-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

LCS (3101216-BS1)

Prepared & Analyzed: 12-Oct-23

Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130			
Toluene	1.93	0.050	mg/kg	2.00		96.5	86-128			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.3	89-129			
o-Xylene	1.98	0.050	mg/kg	2.00		98.9	86.1-125			
Total Xylenes	5.91	0.150	mg/kg	6.00		98.5	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0488		mg/kg	0.0500		97.7	71.5-134			

LCS Dup (3101216-BS1)

Prepared & Analyzed: 12-Oct-23

Benzene	1.96	0.050	mg/kg	2.00		97.9	82.8-130	0.924	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.1	86-128	1.47	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.8	85.9-128	2.07	16	
m,p-Xylene	3.84	0.100	mg/kg	4.00		96.0	89-129	2.33	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00		96.5	86.1-125	2.48	16.7	
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	88.2-128	2.38	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0481		mg/kg	0.0500		96.2	71.5-134			

Batch 3101227 - Volatiles**Blank (3101227-BLK1)**

Prepared: 12-Oct-23 Analyzed: 13-Oct-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		98.6	71.5-134			

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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3101227 - Volatiles**LCS (3101227-BS1)**

Prepared: 12-Oct-23 Analyzed: 13-Oct-23

Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130		
Toluene	2.05	0.050	mg/kg	2.00		103	86-128		
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	85.9-128		
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	89-129		
o-Xylene	2.05	0.050	mg/kg	2.00		102	86.1-125		
Total Xylenes	6.37	0.150	mg/kg	6.00		106	88.2-128		

Surrogate: 4-Bromofluorobenzene (PID)

0.0483

mg/kg

0.0500

96.7

71.5-134

LCS Dup (3101227-BSD1)

Prepared: 12-Oct-23 Analyzed: 13-Oct-23

Benzene	1.97	0.050	mg/kg	2.00		98.7	82.8-130	0.173	15.8
Toluene	2.04	0.050	mg/kg	2.00		102	86-128	0.724	15.9
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	85.9-128	1.48	16
m,p-Xylene	4.24	0.100	mg/kg	4.00		106	89-129	1.91	16.2
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125	2.23	16.7
Total Xylenes	6.25	0.150	mg/kg	6.00		104	88.2-128	2.01	16.3

Surrogate: 4-Bromofluorobenzene (PID)

0.0474

mg/kg

0.0500

94.7

71.5-134

Batch 3101301 - Volatiles**Blank (3101301-BLK1)**

Prepared & Analyzed: 13-Oct-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)

0.0502

mg/kg

0.0500

100

71.5-134

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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101301 - Volatiles**LCS (3101301-BS1)**

Prepared & Analyzed: 13-Oct-23

Benzene	1.94	0.050	mg/kg	2.00		97.0	82.8-130			
Toluene	1.96	0.050	mg/kg	2.00		98.2	86-128			
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	85.9-128			
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	89-129			
o-Xylene	2.00	0.050	mg/kg	2.00		100	86.1-125			
Total Xylenes	6.03	0.150	mg/kg	6.00		101	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID) 0.0516 mg/kg 0.0500 103 71.5-134

LCS Dup (3101301-BSD1)

Prepared & Analyzed: 13-Oct-23

Benzene	2.05	0.050	mg/kg	2.00		102	82.8-130	5.31	15.8	
Toluene	2.04	0.050	mg/kg	2.00		102	86-128	3.59	15.9	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	85.9-128	3.46	16	
m,p-Xylene	4.21	0.100	mg/kg	4.00		105	89-129	4.35	16.2	
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125	4.91	16.7	
Total Xylenes	6.31	0.150	mg/kg	6.00		105	88.2-128	4.54	16.3	

Surrogate: 4-Bromofluorobenzene (PID) 0.0521 mg/kg 0.0500 104 71.5-134

Batch 3101302 - Volatiles**Blank (3101302-BLK1)**

Prepared & Analyzed: 13-Oct-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) 0.0584 mg/kg 0.0500 117 71.5-134

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Analytical Results For:

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

Project: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101302 - Volatiles**LCS (3101302-BS1)**

Prepared & Analyzed: 13-Oct-23

Benzene	2.05	0.050	mg/kg	2.00		103	82.8-130			
Toluene	1.98	0.050	mg/kg	2.00		99.1	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	4.01	0.100	mg/kg	4.00		100	89-129			
o-Xylene	1.88	0.050	mg/kg	2.00		93.8	86.1-125			
Total Xylenes	5.89	0.150	mg/kg	6.00		98.2	88.2-128			

Surrogate: 4-Bromofluorobenzene (PID)

0.0449

mg/kg

0.0500

89.8

71.5-134

LCS Dup (3101302-BSD1)

Prepared & Analyzed: 13-Oct-23

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130	0.456	15.8	
Toluene	1.98	0.050	mg/kg	2.00		98.8	86-128	0.259	15.9	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	85.9-128	0.783	16	
m,p-Xylene	3.95	0.100	mg/kg	4.00		98.7	89-129	1.61	16.2	
o-Xylene	1.90	0.050	mg/kg	2.00		95.0	86.1-125	1.25	16.7	
Total Xylenes	5.85	0.150	mg/kg	6.00		97.5	88.2-128	0.691	16.3	

Surrogate: 4-Bromofluorobenzene (PID)

0.0464

mg/kg

0.0500

92.8

71.5-134

Cardinal Laboratories

*=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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101217 - General Prep - Organics**Blank (3101217-BLK1)**

Prepared & Analyzed: 12-Oct-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	45.1		mg/kg	50.0		90.2	48.2-134			
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0		100	49.1-148			

LCS (3101217-BS1)

Prepared & Analyzed: 12-Oct-23

GRO C6-C10	192	10.0	mg/kg	200		96.2	66.4-123			
DRO >C10-C28	179	10.0	mg/kg	200		89.3	66.5-118			
Total TPH C6-C28	371	10.0	mg/kg	400		92.7	77.6-123			
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.5	48.2-134			
Surrogate: 1-Chlorooctadecane	51.8		mg/kg	50.0		104	49.1-148			

LCS Dup (3101217-BS1)

Prepared & Analyzed: 12-Oct-23

GRO C6-C10	187	10.0	mg/kg	200		93.6	66.4-123	2.76	17.7	
DRO >C10-C28	180	10.0	mg/kg	200		90.2	66.5-118	1.03	21	
Total TPH C6-C28	368	10.0	mg/kg	400		91.9	77.6-123	0.917	18.5	
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	48.2-134			
Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	49.1-148			

Batch 3101218 - General Prep - Organics**Blank (3101218-BLK1)**

Prepared & Analyzed: 12-Oct-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	35.5		mg/kg	50.0		70.9	48.2-134			
Surrogate: 1-Chlorooctadecane	39.0		mg/kg	50.0		78.0	49.1-148			

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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: ANTLER 17 001
Project Number: 237579
Project Manager: BECKY HASKELL
Fax To:

Reported:
23-Oct-23 11:27

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 3101218 - General Prep - Organics**LCS (3101218-BS1)**

Prepared & Analyzed: 12-Oct-23

GRO C6-C10	181	10.0	mg/kg	200		90.7	66.4-123			
DRO >C10-C28	183	10.0	mg/kg	200		91.6	66.5-118			
Total TPH C6-C28	365	10.0	mg/kg	400		91.2	77.6-123			
Surrogate: 1-Chlorooctane	39.1		mg/kg	50.0		78.2	48.2-134			
Surrogate: 1-Chlorooctadecane	40.6		mg/kg	50.0		81.2	49.1-148			

LCS Dup (3101218-BS1)

Prepared & Analyzed: 12-Oct-23

GRO C6-C10	176	10.0	mg/kg	200		88.2	66.4-123	2.76	17.7	
DRO >C10-C28	183	10.0	mg/kg	200		91.7	66.5-118	0.0371	21	
Total TPH C6-C28	360	10.0	mg/kg	400		89.9	77.6-123	1.34	18.5	
Surrogate: 1-Chlorooctane	39.8		mg/kg	50.0		79.6	48.2-134			
Surrogate: 1-Chlorooctadecane	42.7		mg/kg	50.0		85.5	49.1-148			

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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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTG</u> Project Manager: <u>Benny Hinkel</u> Address: <u>209 W Melway</u> City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u> Phone #: <u>432-924-8054</u> Fax #: _____ Project #: <u>237579</u> Project Owner: <u>Ecotekton</u> Project Name: <u>Antler 17 001</u> Project Location: <u>Lea County</u> Sampler Name: <u>Tyler Lundquist</u>		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. <u>H235579</u> Sample I.D. _____		MATRIX (G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____		PRESERV DATE <u>10-12</u> TIME <u>9:00</u> SAMPLING _____	
PLEASE NOTE: Liability and Damages: Cardinal's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services, hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		DATE <u>10-12</u> RECEIVED BY: <u>[Signature]</u> TIME: <u>1:03 PM</u> DATE: _____ RECEIVED BY: _____ TIME: _____		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed: <input type="checkbox"/> Yes <input type="checkbox"/> No Please provide Email address: _____ REMARKS: _____	
Relinquished By: <u>[Signature]</u> Delivered By: (Circle One) <u>Observed Temp. °C</u> <u>-0.6</u> Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____ FORM 000 R-3-0771723		Sample Condition <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No CHECKED BY: (Initials) <u>[Signature]</u> Turnaround Time: _____ Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Thermometer ID #140 <u>241115</u> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Correction Factor 0°C _____ Sample Condition _____ Observed Temp. °C _____ Corrected Temp. °C _____		Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGGE Project Manager: Becky Hsueh Address: 209 W. McKinley City: Carlsbad State: NM Zip: 88220 Phone #: 432-924-8054 Fax #: Project #: 237579 Project Owner: Ecotrust Project Name: Antler 17 001 Project Location: Lea County Sample Name: T46C1 (Antler 17)		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. H23579 Sample I.D. SW-27(0-1) SW-28(4-7) SW-14B(6-8) SW-31(0-6) SW-34(1-6) SW-35(1-6) SW-36(4-6) CS-53(6) CS-55(8) CS-50A(7)		MATRIX (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER ACID/BASE ICE / COOL OTHER		PRESERV DATE 10-12 TIME 9:36 SAMPLING	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services.		REMARKS: * Customer Requested Depth Quantities TO: 10/19/23 Standard Rush 24 hrs			
Relinquished By: [Signature] Date: 10-12 Received By: [Signature] Date: 10-12 Time: 1:03 PM Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed: <input type="checkbox"/> Yes <input type="checkbox"/> No Please provide Email address:			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 20.6 Corrected Temp. °C		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> CHECKED BY: [Signature]	
Turnaround Time: Standard Thermometer ID #140 Correction Factor 0°C		Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C		Corrected Temp. °C	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTCC Project Manager: Becky Hsueh Address: 206 W. Milkey City: Carlsbad State: NM Zip: 88220 Phone #: 432-924-8054 Fax #: Project #: 237579 Project Owner: Earthston Project Name: Antler 17 001 Project Location: Lea County Sample Name: Tylor Mound 1		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. Sample I.D.		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE 10-12 TIME 10:08		SAMPLING Chlorides BTEX TPH	
Relinquished By: [Signature] Date: 10-12 Time: 1:03 PM Received By: [Signature] Date: 10-12 Time:		ANALYSIS REQUEST	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 0.6 Corrected Temp. °C: Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
Turnaround Time: Standard Rush 24 hrs.		Bacteria (only) Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:	
REMARKS: All Results are emailed. Please provide Email address:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	

† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinalabnm.com



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

October 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 15:46.

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/18/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 B (0-6) (H235683-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.04	102	2.00	2.38	
Toluene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.80	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	5.18	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	6.22	
Total BTEX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/18/2023	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	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/18/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/16/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 B (0-4) (H235683-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2023	ND	2.04	102	2.00	2.38	
Toluene*	<0.050	0.050	10/18/2023	ND	2.15	107	2.00	3.80	
Ethylbenzene*	<0.050	0.050	10/18/2023	ND	2.16	108	2.00	5.18	
Total Xylenes*	<0.150	0.150	10/18/2023	ND	6.47	108	6.00	6.22	
Total BTEX	<0.300	0.300	10/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2023	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	10/18/2023	ND	172	86.2	200	0.565	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	160	80.2	200	0.840	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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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: <u>NTC</u>				BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Becky Haskel</u>				P.O. #:							
Address: <u>209 W Midway St</u>				Company:							
City: <u>Caf Isbad</u>				Attn:							
State: <u>NM</u> Zip: <u>88220</u>				Address:							
Phone #: <u>432 924-8056</u> Fax #:				City:							
Project #: <u>237579</u> Project Owner: <u>Earthstone</u>				State:				Zip:			
Project Name: <u>Antler 12001</u>				Phone #:							
Project Location: <u>Lea County</u>				Fax #:							
Sampler Name: <u>Coley Keene</u>											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H235683</u>	<u>SW-1B(0-6)</u>	<u>CI</u>	<u>1</u>			<u>X</u>							<u>10:16</u>	<u>10:00</u>	<u>TPH</u>
<u>2</u>	<u>SW-9B(0-4)</u>	<u>CI</u>	<u>1</u>												<u>Chlorides</u>
															<u>BTEX</u>

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Relinquished By: <u>[Signature]</u>	Date: <u>10-17</u>	Received By: <u>[Signature]</u>	Date: <u>3-16-20</u>
Relinquished By: <u>[Signature]</u>	Date:	Received By: <u>[Signature]</u>	Date:

Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS - Bus - Other:	Observed Temp. °C <u>0.8</u>	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>AK</u>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Sample Condition Observed Temp. °C Corrected Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #140 <u>24145</u>	Correction Factor 0°C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C

Verbal Report: ☐ Yes ☐ No Add'l Phone #: _____
All Results are emailed. Please provide Email address: _____

REMARKS: _____

† Cardinal cannot accept verbal changes. Please email changes to coley.keene@cardinalabnm.com



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

October 20, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 10/19/23 13:38.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 56 (6') (H235724-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTX	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 B (6') (H235724-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 57 (7') (H235724-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEx	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 58 (5') (H235724-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTX	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 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: 10/19/2023
Reported: 10/20/2023
Project Name: ANTLER 17 001
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW - 15A (1-8) (H235724-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 18A (5-6) (H235724-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 29 (6-7) (H235724-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/19/2023
 Reported: 10/20/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/19/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 30 (4-8) (H235724-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2023	ND	2.04	102	2.00	4.67	
Toluene*	<0.050	0.050	10/20/2023	ND	2.09	104	2.00	5.21	
Ethylbenzene*	<0.050	0.050	10/20/2023	ND	2.11	105	2.00	3.69	
Total Xylenes*	<0.150	0.150	10/20/2023	ND	6.28	105	6.00	3.03	
Total BTEX	<0.300	0.300	10/20/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/20/2023	ND	448	112	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	10/19/2023	ND	194	97.0	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/19/2023	ND	184	92.1	200	4.81	
EXT DRO >C28-C36	<10.0	10.0	10/19/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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*=Accredited Analyte

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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



Page 11 of 11

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



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

October 30, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: ANTLER 17 001

Enclosed are the results of analyses for samples received by the laboratory on 10/27/23 13:07.

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/27/2023
 Reported: 10/30/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CS - 3C (7') (H235914-01)

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	10/27/2023	ND	1.97	98.3	2.00	1.20	
Toluene*	<0.050	0.050	10/27/2023	ND	1.93	96.6	2.00	1.28	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	1.94	96.9	2.00	1.28	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.61	93.4	6.00	0.802	
Total BTEX	<0.300	0.300	10/27/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/30/2023	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	10/28/2023	ND	178	89.1	200	1.10	
DRO >C10-C28*	<10.0	10.0	10/28/2023	ND	176	87.9	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	10/28/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2023
Reported: 10/30/2023
Project Name: ANTLER 17 001
Project Number: 237579
Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/25/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: SW - 37 (6-6.5') (H235914-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2023	ND	1.97	98.3	2.00	1.20	
Toluene*	<0.050	0.050	10/27/2023	ND	1.93	96.6	2.00	1.28	
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	1.94	96.9	2.00	1.28	
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.61	93.4	6.00	0.802	
Total BTX	<0.300	0.300	10/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/30/2023	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	10/28/2023	ND	178	89.1	200	1.10	
DRO >C10-C28*	<10.0	10.0	10/28/2023	ND	176	87.9	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	10/28/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/27/2023
 Reported: 10/30/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 38 (0-6.5') (H235914-03)

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	10/27/2023	ND	1.97	98.3	2.00	1.20		
Toluene*	<0.050	0.050	10/27/2023	ND	1.93	96.6	2.00	1.28		
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	1.94	96.9	2.00	1.28		
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.61	93.4	6.00	0.802		
Total BTEX	<0.300	0.300	10/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/30/2023	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	10/28/2023	ND	178	89.1	200	1.10	
DRO >C10-C28*	<10.0	10.0	10/28/2023	ND	176	87.9	200	0.274	
EXT DRO >C28-C36	<10.0	10.0	10/28/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

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

Received: 10/27/2023
 Reported: 10/30/2023
 Project Name: ANTLER 17 001
 Project Number: 237579
 Project Location: EARTHSTONE - LEA COUNTY

Sampling Date: 10/25/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 39 (1-6.5') (H235914-04)

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	10/27/2023	ND	1.99	99.7	2.00	0.557		
Toluene*	<0.050	0.050	10/27/2023	ND	1.82	91.1	2.00	0.549		
Ethylbenzene*	<0.050	0.050	10/27/2023	ND	1.87	93.4	2.00	0.0136		
Total Xylenes*	<0.150	0.150	10/27/2023	ND	5.58	93.0	6.00	1.20		
Total BTEX	<0.300	0.300	10/27/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/30/2023	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	10/28/2023	ND	177	88.5	200	0.872	
DRO >C10-C28*	<10.0	10.0	10/28/2023	ND	173	86.5	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	10/28/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No:

1423594

Page 1 of 1

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. Marientled, 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"/> Brownfile <input type="checkbox"/> R <input type="checkbox"/> Supp	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L	
Deliverables: EDD <input type="checkbox"/> ADAP <input type="checkbox"/> Other:	

	ANALYSIS REQUEST						PRESERVATIVE CODES
Project Name:	Antler 17 001	Turn Around		Pres. Code			None: NO DI Water: H ₂ O
Project Number:	237579	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush				Cool: Cool MeOH: Me
Project Location:	Lea County	Due Date:	24HR				HCL: HC HNO ₃ : HN
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm					H ₂ SO ₄ : H ₂ NaOH: Na
PO #:							H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
SAMPLE RECEIPT		Temp Blank:	Yes (<input type="radio"/>) No (<input checked="" type="radio"/>)	Wet Ice:	Yes (<input checked="" type="radio"/>) No (<input type="radio"/>)		HOLD
Received Intact:	Yes (<input checked="" type="radio"/>) No (<input type="radio"/>)	Thermometer ID:					
Cooler Custody Seals:	Yes No N/A	Correction Factor:					
Sample Custody Seals:	Yes No N/A	Temperature Reading:					
Total Containers:	4	Corrected Temperature:					
BTEx 8021B							
PH 8015M (GRO + DRO + MRO)							
Chloride 4500							

[illegible]

Additional Comments:

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

<small>of Kentucky. A minimum charge of \$55.00 will be assessed for each page of a return that is not approved for return processing.</small>						
	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			06-27-23 13:07	2		
2				4		
3						
5				6		

Revised Date 05/01/2020 Rev. 2020

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

QUESTIONS

Action 316294

QUESTIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:
	331165
	Action Number:
	316294
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2228027933
Incident Name	NAPP2228027933 ANTLER 17 STATE 1 @ 30-025-34820
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-34820] ANTLER 17 STATE #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ANTLER 17 STATE 1
Date Release Discovered	10/06/2022
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Dump Valve Produced Water Released: 113 BBL Recovered: 10 BBL Lost: 103 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	This notification was submitted within 24 hours of the release

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

QUESTIONS, Page 2

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	331165
	Action Number:	316294
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Nature and Volume of Release (continued)**

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Kevin Hart Title: Senior HSE Advisor Email: Kevin.Hart@permianres.com Date: 02/21/2024
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QUESTIONS, Page 3

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	331165
	Action Number:	316294
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	20000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	115
GRO+DRO (EPA SW-846 Method 8015M)	115
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/01/2023
On what date will (or did) the final sampling or liner inspection occur	10/25/2023
On what date will (or was) the remediation complete(d)	11/10/2023
What is the estimated surface area (in square feet) that will be reclaimed	8800
What is the estimated volume (in cubic yards) that will be reclaimed	1300
What is the estimated surface area (in square feet) that will be remediated	8800
What is the estimated volume (in cubic yards) that will be remediated	1489

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	331165
	Action Number:	316294
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Kevin Hart Title: Senior HSE Advisor Email: Kevin.Hart@permianres.com Date: 02/21/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:
	331165
	Action Number:
	316294
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:	331165
	Action Number:	316294
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	316310
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/25/2023
What was the (estimated) number of samples that were to be gathered	144
What was the sampling surface area in square feet	8800

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8800
What was the total volume (cubic yards) remediated	1489.2
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	8800
What was the total volume (in cubic yards) reclaimed	1489.2
Summarize any additional remediation activities not included by answers (above)	All Remediation was on the pad

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Kevin Hart Title: Senior HSE Advisor Email: Kevin.Hart@permianres.com Date: 02/21/2024
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QUESTIONS, Page 7

Action 316294

QUESTIONS (continued)

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:
	331165
	Action Number:
	316294
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 316294

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 316294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	4/19/2024
scott.rodgers	• The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	4/19/2024