

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	nAPP2227746276
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Earthstone Operating, LLC	OGRID: 331165
Contact Name: Chris Martin	Contact Telephone: 432-253-9998 Ext. 2653
Contact email: cmartin@earthstoneenergy.com	Incident # (assigned by OCD): nAPP2227746276
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.3464088Longitude -104.3243713

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Daisy Duke State COM #003H	Site Type Production Pad
Date Release Discovered August 23, 2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	31	22S	26E	Eddy

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): 23	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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: The release was due to equipment failure on the dump valve.

Incident ID	nAPP2227746276
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Rebecca Haskell</u>	Title: <u>Senior Project Manager</u>
Signature: _____	Date: <u>10/25/23</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<u>OCD Only</u>	
Received by: <u>Shelly Wells</u>	Date: <u>10/31/2023</u>

Incident ID	nAPP2227746276
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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: _____ Date: 10/25/23

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

OCD Only

Received by: Shelly Wells Date: 10/31/2023

Incident ID	nAPP2227746276
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Application ID	

Closure

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

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

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

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Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: _____ Date: 10/25/23

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

OCD Only

Received by: Shelly Wells Date: 10/31/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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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): nAPP2227746276
Contact mailing address: 600 N. Marienfeld, Suite 1000, Midland, TX 79701	

Location of Release Source

Latitude 32.3464088 Longitude -104.3243713
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Daisy Duke State COM #003H	Site Type Production Pad
Date Release Discovered August 23, 2022	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	31	22S	26E	Eddy

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):
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	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Cause of Release: The release was due to equipment failure on the dump valve.

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Printed Name: <u>Rebecca Haskell</u>	Title: <u>Senior Project Manager</u>
Signature: _____	Date: <u>10/25/23</u>
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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Site Assessment/Characterization

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

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

State of New Mexico
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Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: _____ Date: 10/25/23

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2227746276
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Closure

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

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Printed Name: Rebecca Haskell Title: Senior Project Manager

Signature: _____ Date: 10/25/23

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

October 25, 2023

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

**Re: Site Closure Report
Daisy Duke 31 State COM #003
Earthstone Operating, LLC
Site Location: Unit I, S31, T22S, R26E
(Lat 32.3464088°, Long -104.3243713°
Eddy County, New Mexico
Incident ID: nAPP2227746276**

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of Earthstone Operating, LLC (Earthstone), submits this Site Closure Report to the NMOCD District 2 Office in Artesia, New Mexico. This report provides documentation of initial soil delineation, sampling, analysis, and remediation activities conducted in the affected areas at the Earthstone Daisy Duke 31 State COM #003 Release Site (Site). The Site is located in Unit Letter I, Section 31 of Township 22 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.3464088° N Latitude and 104.3243713° W Longitude. The release occurred on state owned land. Figures 1 and 2 depict the Site location. The footprint of the release is depicted on Figure 3.

2. Background

Based on the information obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on August 23, 2022, as a result of equipment failure on the dump valve. Approximately twenty-three (23) barrels (bbls) of produced water were released with zero (0) recovered for a net loss of twenty-three (23) bbls produced water. Upon discovery, the leak was isolated and the area secured. The release footprint is shown on Figure 3. The Release Notification, Site Assessment/Characterization, and Closure portions of Form C-141 for incident number nAPP2227746276 are attached to the front of this report.

3. Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known depth to groundwater sources and/or features within a ½-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) were located within each specific boundary or distance from the Site. According to the Karst Potential Map the site is located within a high Karst occurrence area.

Mr. Mike Bratcher
October 25, 2023
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The Site characterization documentation (New Mexico Oil and Gas Map, Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is provided in Attachment A.

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

General Site Characterization and Groundwater: Table 3.1

Site Characterization	Average Groundwater Depth (ft)
High Karst	unknown

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	Total BTEX	Benzene
19.15.29.13 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 Assessment Summary and Findings

On January 6, 2023, NTGE collected four (4) grab delineation samples (V-1 through V-4) to assess the vertical extent of impact and four (4) grab delineation samples (H-1 through H-4) to assess the horizontal extent of impact. Soil samples were collected at depths ranging from surface to four (4) feet (ft) below ground surface (bgs). All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method 300 by Pace Analytical National in Mount Juliet, Tennessee. Analytical results indicated TPH concentrations were above the Table 1 Closure Criteria for soil samples V-2 (0-1'), V-3 (0 to 3'), and H-4 (0-6"). Total BTEX concentrations were above Table 1 Closure Criteria for soil samples V-3 (1-2') and V-3 (2-3'). The chloride concentrations were below Table 1 Closure Criteria. See Figure 3, Initial Assessment Sample Map, which depicts the locations of the initial delineation samples. Analytical reports and Chain-of-Custody Documentation is provided in Attachment D. A Photographic Log is proved in Attachment C.

After initial excavation activities, on April 11, 2023, NTGE collected five (5) grab delineation samples (HD-N, HD-E, HD-S, VD-1 @ 0-7', and VD-1 @ 8-10') adjacent and within the suspected impacted area. Soil samples were collected at depths ranging from surface to ten (10) ft bgs. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015B Modified, and chloride by EPA Method 300.0 by Cardinal Laboratories in

Mr. Mike Bratcher
October 25, 2023
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Hobbs New Mexico.

None of the samples exhibited Benzene, BTEX or TPH concentrations above 19.15.29.12 and 19.15.29.13 Table I Closure Criteria. Analytical results indicated one sample (VD-1) exhibited chloride concentrations above 19.15.29.13 Table I Closure Criteria of six hundred (600) milligrams per kilogram (mg/Kg) with a concentration of 2,280 mg/Kg. See Figure 3, Delineation Sample Location Map, which depicts the locations of the initial delineation samples. Analytical results are provided on Table 1, Summary of Soil Analytical Data, and in the Laboratory Analytical Reports and Chain-of-Custody Documentation provided in Attachment D. A Photographic Log is provided in Attachment C.

5. Remedial Action Activities and Confirmation Sampling

NTGE and Standard Safety and Supply (Standard), proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. Composite bottom hole and sidewall confirmation samples were collected by way of five (5) point composite samples from areas representing no greater than 200 square feet. The confirmation samples were analyzed for TPH (EPA Method 8015B modified), BTEX (EPA Method 8021B), and chloride (method 4500).

On April 17, 2023, NTGE collected twenty-six (26) composite bottom hole confirmation samples (CS-1 through CS-26) and thirty-two (32) sidewall composite confirmation samples (SW-1 through SW-32) and submitted to Cardinal Laboratories in Hobbs New Mexico. Analytical results indicated that one (1) composite bottom hole sample (CS-16) and four (4) sidewall composite samples (SW-4, SW-6, SW-12, and SW-21) exhibited TPH and/or chloride concentrations that exceeded NMAC 19.15.29.13 Table 1 Closure Criteria.

Standard proceeded to further excavate the impacted areas to depths ranging from 3 to 8 ft bgs. On May 8, 2023, after further excavation by Standard, NTGE conducted a sampling event, whereby one (1) composite bottom hole samples (CS-16A) and three (3) sidewall composite soil samples (SW-4A, SW-12A, and SW-21A) were collected and submitted to Cardinal in Hobbs, NM. Analytical Results indicated that all samples were under the Table 1 Closure Criteria for, benzene, BTEX, TPH, and chlorides.

On May 16, 2023, NTGE collected one (1) composite bottom hole confirmation sample (CS-27) along with one (1) sidewall composite sample (SW-6A) and submitted it to Cardinal Labs. Analytical results indicated the samples were under the Table 1 Criteria for, benzene, BTEX, TPH, and chlorides.

On May 24, 2023, after further excavation by Standard, NTGE conducted a sampling event, whereby two (2) sidewall composite samples (SW-22A, and SW-23A) were collected and submitted to Cardinal in Hobbs, NM. Analytical Results indicated that all samples were under the Table 1 Closure Criteria for, benzene, BTEX, TPH, and chlorides. The final excavation extent with confirmation samples is shown as Figure 4. Analytical results of the confirmation samples are included in Table 2, while the Laboratory Analytical Reports are provided in Attachment D. A photographic log is provided as Attachment C and Confirmation Sampling Notifications are provided as Attachment B.

Mr. Mike Bratcher
October 25, 2023
Page 4 of 5

6. Soils Disposition and Backfill Activities

Between April 12 and May 10, 2023, approximately 1,558.04 tons of impacted soils were transported offsite for disposal at Lea Land, LLC located in 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.

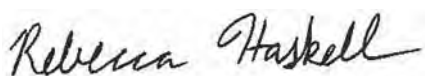
7. Closure Request

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 Earthstone respectfully request closure for nAPP2227746276. The Release Notification, Site Assessment/Characterization, and closure portion of the NMOCD form C-141 are included in the front of this report.

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

Sincerely,

NTG Environmental



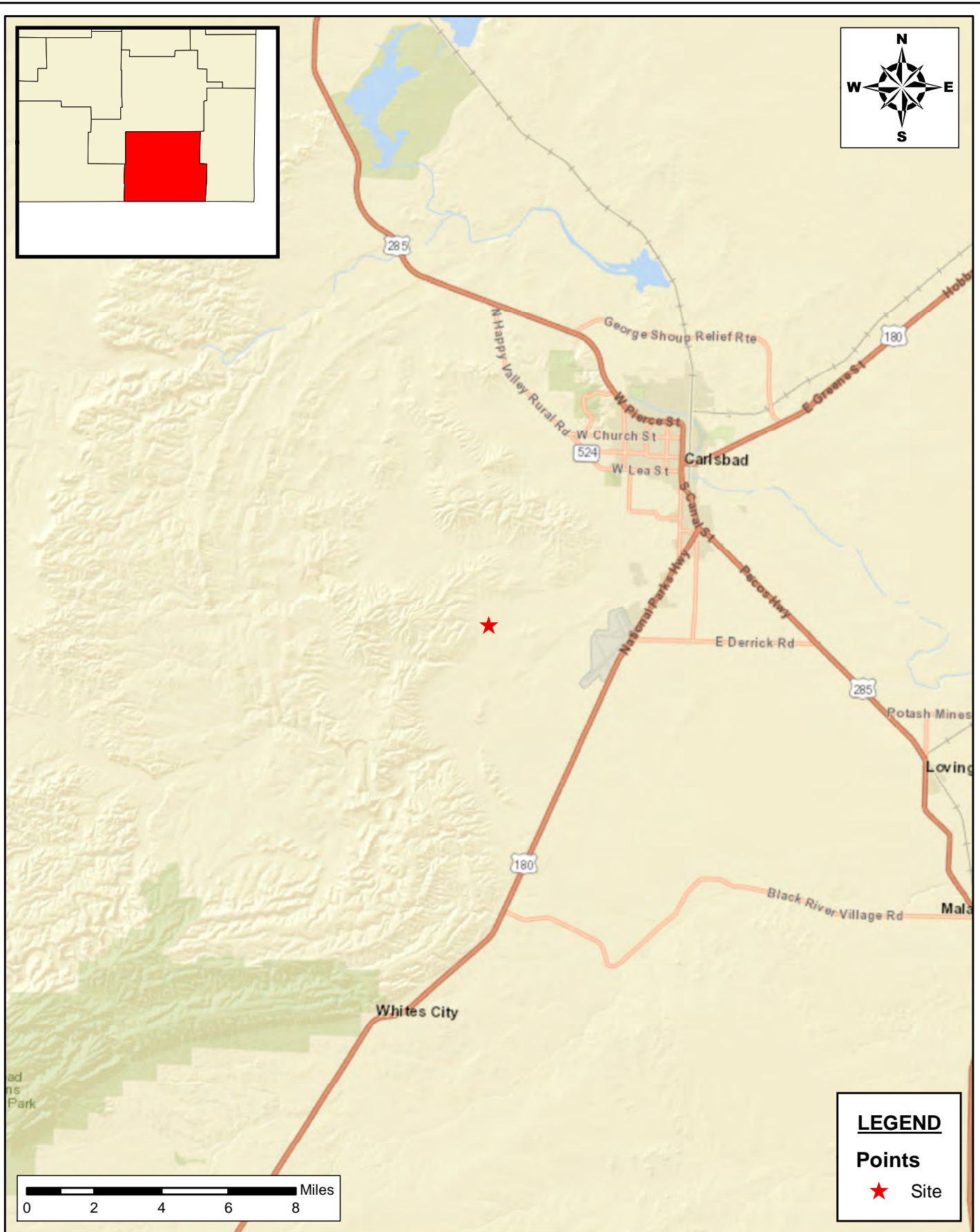
Becky Haskell
Senior Project Manager

Attachments:

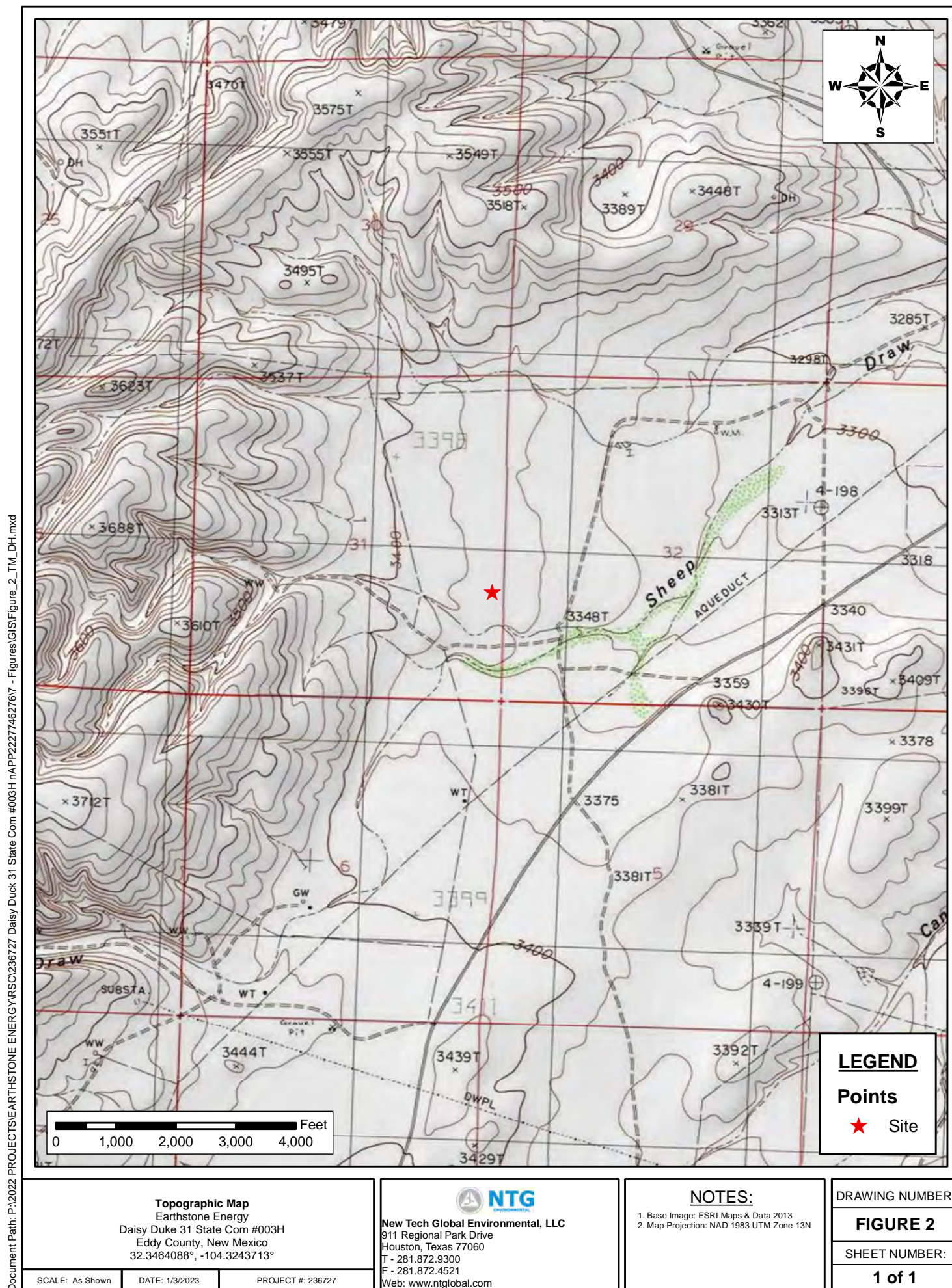
- Figure 1: Area Location Map
- Figure 2: Topographic Map
- Figure 3: Initial Assessment Sample Map
- Figure 4: Confirmation Sampling Map
- Table 1: Summary of Soil Analytical Data – Delineation Samples
- Table 2: Summary of Soil Analytical Data – Confirmation Samples
- Attachment A: Site Characterization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

FIGURES

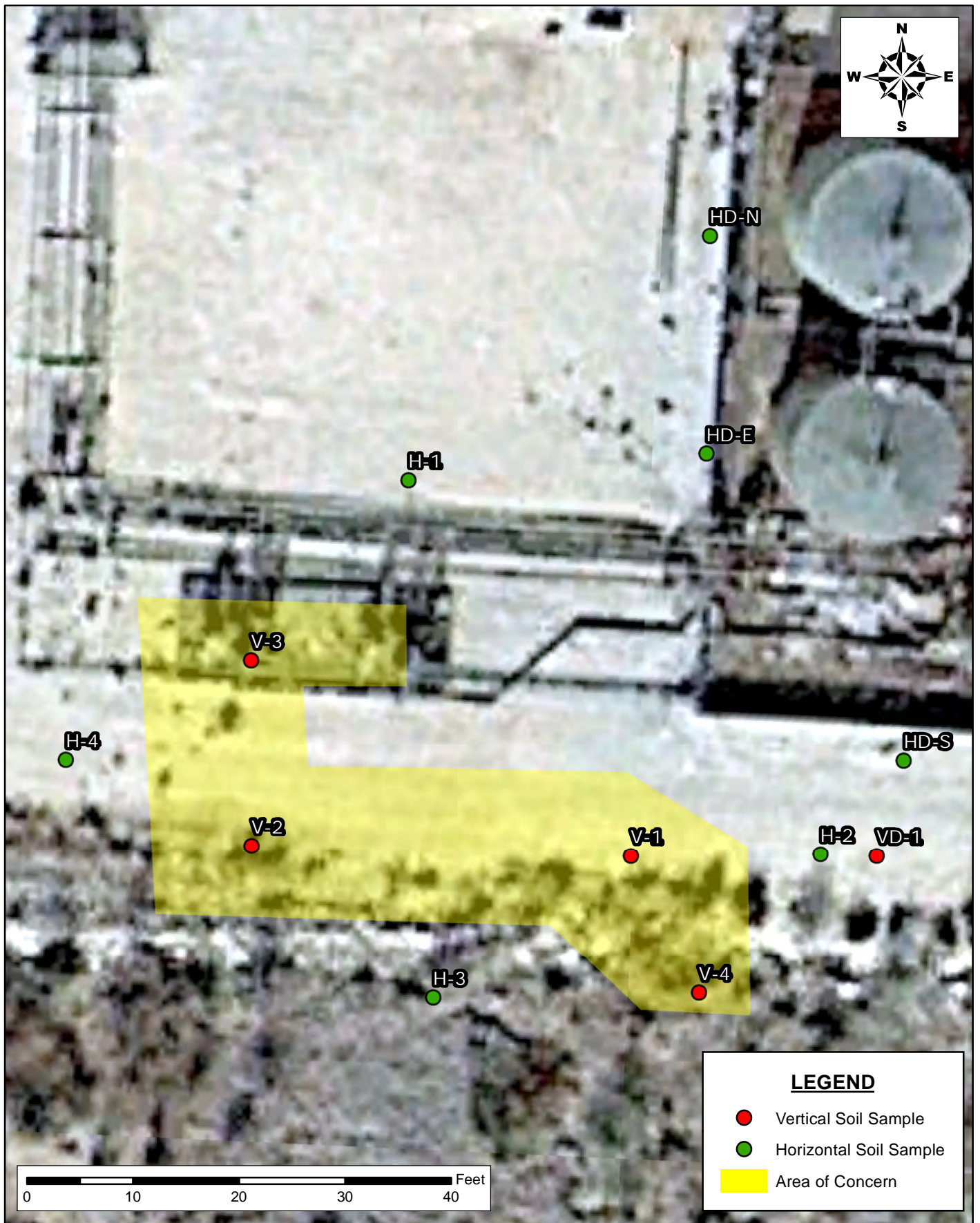
Document Path: P:\2022 PROJECTS\EARTHSTONE ENERGY\RSC\236727 Daisy Duck 31 State Com #003H nAPP2227462767 - Figures\GIS\Figure_1_Area Map_DH.mxd



<p>Area Location Map Earthstone Energy Daisy Duke 31 State Com #003H Eddy County, New Mexico 32.3464088°, -104.3243713°</p>	<p> New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntglobal.com</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N</p>	<p>DRAWING NUMBER: FIGURE 1 SHEET NUMBER: 1 of 1</p>
<p>SCALE: As Shown DATE: 1/3/2023 PROJECT #: 236727</p>			



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**INITIAL ASSESSMENT SAMPLE
MAP CLOSURE REPORT
EARTHSTONE ENERGY**
Daisy Duke 31 State Com #003H
Eddy County, New Mexico
32.3464088°, -104.3243713°

SCALE: As Shown

DATE: 2/22/2023

PROJECT #:236727



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

NOTES:

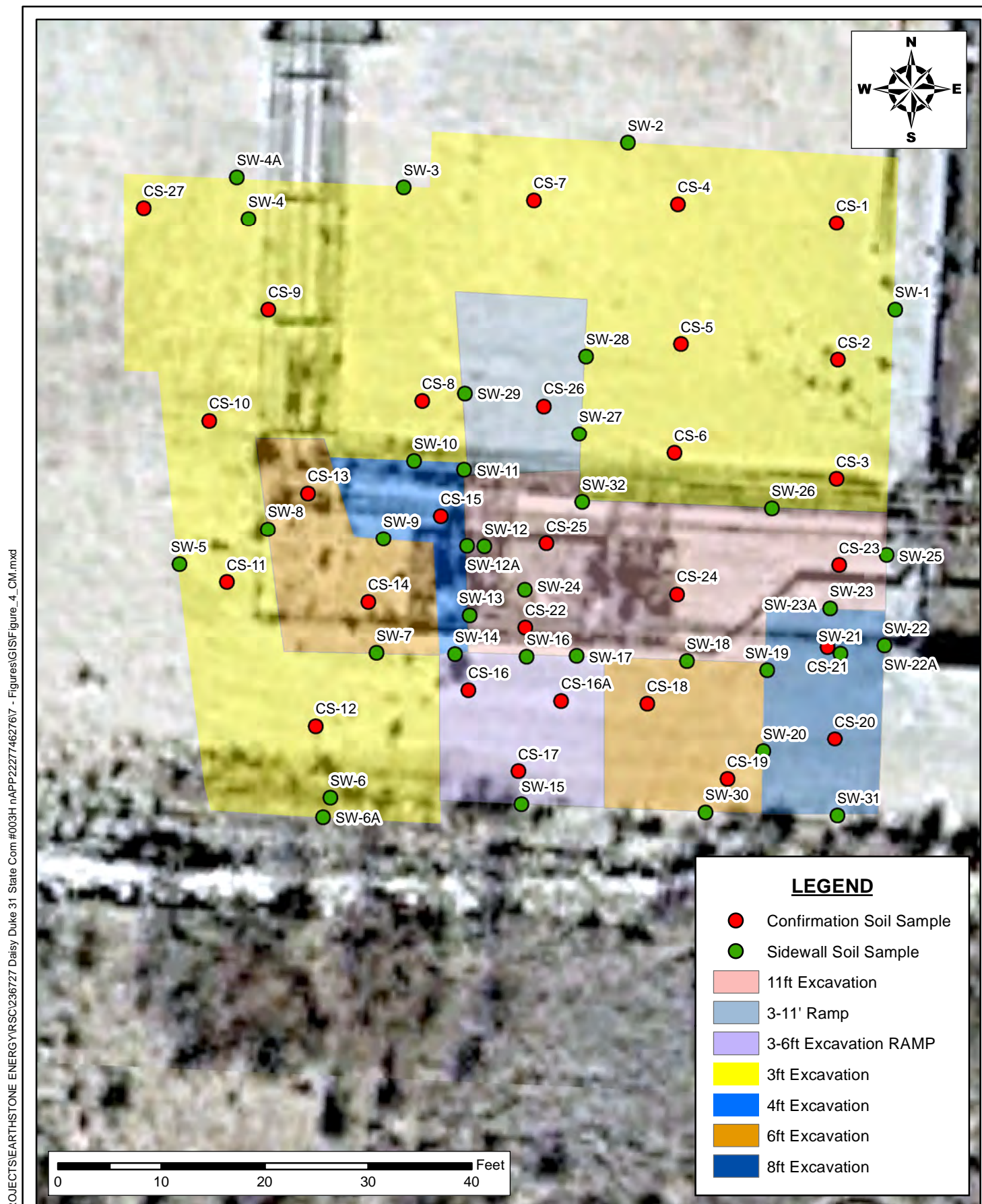
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1



CONFIRMATION SAMPLING MAP
CLOSURE REPORT
EARTHSTONE ENERGY
Daisy Duke 31 State Com #003H
Eddy County, New Mexico
32.3464088°, -104.3243713°

SCALE: As Shown

DATE: 2/22/2023

PROJECT #:236727



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Web: www.ntglobal.com

NOTES:

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

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Daisy Duke 31 State Com #003H
Earthstone Operating, L.L.C.
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-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 Surface to 4 feet below grade 19.15.29.13 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Initial Assessment Samples													
V-1	01/06/23	(0-1')	0.00296	< 0.00607	0.000629	< 0.00416	0.00359	< 0.121	33.8	33.8	45.2	79	285
V-1	01/06/23	(1-2')	0.00596	0.0145	0.00164	0.0101	0.322	< 0.138	< 5.45	< 5.45	< 5.45	< 5.45	133
V-1	01/06/23	(2-3')	0.000746	< 0.00673	< 0.000673		0.00075	< 0.135	< 5.33	< 5.33	< 5.33	< 5.33	57.8
V-1	01/06/23	(3-4')	0.0037	< 0.00555	< 0.000555	0.00246	0.0037	< 0.111	< 4.44	< 4.44	< 4.44	< 4.44	< 22.2
V-2	01/06/23	(0-1')	0.00278	< 0.00555	< 0.000555	0.00221	0.00499	< 0.129	129	129	75.6	204.6	34.6
V-2	01/06/23	(1-2')	0.00381	0.00555	< 0.000984	0.00278	0.01214	< 0.119	42.2	42.2	33.6	75.8	272
V-2	01/06/23	(2-3')	0.00244	< 0.00558	0.000757	0.00328	0.00648	< 0.112	< 4.42	< 4.42	8.36	8.36	167
V-2	01/06/23	(3-4')	0.00197	< 0.00558	< 0.000555	< 0.00167	0.00197	< 0.111	5.76	5.76	15.8	21.56	< 25.8
V-3	01/06/23	(0-1')	0.00114	< 0.00523	0.0135	0.12	0.13464	4.99	1,800	1,805	898	2,703	< 20.9
V-3	01/06/23	(1-2')	0.342	1.77	1.64	77	80.752	1410	14,300	3,215	5,770	21,480	< 24.3
V-3	01/06/23	(2-3')	3.21	7.76	6.16	89.4	106.53	1430	8,490	9,920	3,300	13,220	< 24.5
V-3	01/06/23	(3-4')	0.00153	< 0.00554	< 0.000554	< 0.00166	0.00153	< 0.111	8.06	8.06	32.3	40.36	< 22.2
V-4	01/06/23	(0-1')	0.00665	< 0.00577	0.0053	0.0122	0.02415	< 0.115	40.7	40.7	35.1	75.8	106
V-4	01/06/23	(1-2')	0.00229	< 0.00591	0.000636	0.00192	0.00485	< 0.118	50	50	35.7	85.7	77.8
V-4	01/06/23	(2-3')	0.00258	< 0.00586	0.00124	0.00493	0.00875	< 0.117	56.2	56.2	42.6	98.8	48.5
V-4	01/06/23	(3-4')	< 0.000554	< 0.00554	< 0.000554	< 0.00166	< 0.00554	< 0.111	6.64	6.64	18.6	25.24	< 22.2
H-1	01/06/23	(0-6")	0.00251	< 0.00662	< 0.000662	< 0.00198	0.00251	< 0.132	< 5.29	< 5.29	< 5.29	< 5.29	139
H-2	01/06/23	(0-6")	0.000986	< 0.00513	< 0.000513	< 0.00154	0.00099	< 0.103	6.19	619	20.4	26.59	474
H-3	01/06/23	(0-6")	0.00331	< 0.00672	< 0.000672	0.00239	0.0057	< 0.134	< 5.32	< 5.32	< 5.32	< 0.134	< 26.6
H-4	01/06/23	(0-6")	0.000897	< 0.00604	< 0.000604	< 0.00181	0.00898	< 0.121	75.7	75.7	77.2	154.2	89
HD-N	04/11/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
HD-E	04/11/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
HD-S	04/11/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
VD-1	04/11/23	(0-7.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
VD-1	04/11/23	(8-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

Notes:

1. Values reported in mg/kg 5. TPH analyses by EPA Method SW 8015 Mod.

2. < = Value Less Than Reporting Limit 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

3. Bold indicates Analyte Detected 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

4. BTEX analyses by EPA Method SW 8015 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).

SP-1 Sample Point Excavate: 9. --- Not Analyzed

10. ND= NON DETECTABLE

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Daisy Duke 31 State Com #003H
Earthstone Operating, L.L.C.
Eddy County, New Mexico

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 Surface to 4 feet below grade 19.15.29.13 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	100 mg/kg	---	100 mg/kg	600 mg/kg			
Bottom Hole Confirmation Samples													
CS-1	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.3	23.3	<10.0	23.3	128
CS-2	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-3	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-4	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-5	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.6	21.6	<10.0	21.6	192
CS-6	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.2	13.2	<10.0	13.2	288
CS-7	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-8	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.5	33.5	<10.0	33.5	64.0
CS-9	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-10	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14	14	<10.0	14	240
CS-11	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-12	04/17/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.4	39.4	<10.0	39.4	128
CS-13	04/17/23	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.2	14.2	<10.0	14.2	576
CS-14	04/17/23	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-15	04/17/23	(4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-16	04/17/23	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	194	194	31	225	336
CS-16A	05/08/23	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-17	04/17/23	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.9	14.9	<10.0	14.9	336
CS-18	04/17/23	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CS-19	04/17/23	(6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS-20	04/17/23	(8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-21	04/17/23	(4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-22	04/17/23	(3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS-23	04/17/23	(11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-24	04/17/23	(11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
CS-25	04/17/23	(11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-26	04/17/23	(3-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
CS-27	05/16/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
Sidewall Confirmation Samples													
SW-1	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SW-2	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-3	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW-4	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
SW-4A	05/08/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-5	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SW-6	04/17/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96.8	96.8	10.4	107.2	96.0
SW-6A	05/16/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-7	04/17/23	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW-8	04/17/23	(3-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW-9	04/17/23	(4-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-10	04/17/23	(3-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-11	04/17/23	(4-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	18.8	<10.0	18.8	528

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Daisy Duke 31 State Com #003H
Earthstone Operating, L.L.C.
Eddy County, New Mexico

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 Surface to 4 feet below grade 19.15.29.13 NMAC											
10 mg/kg	---	---	---	50 mg/kg	---	---	100 mg/kg	---	100 mg/kg	600 mg/kg				
SW-12	04/17/23	(4-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	104	<10.0	104	272	
SW-12A	05/08/23	(4-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
SW-13	04/17/23	(3.5-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SW-14	04/17/23	(3-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.8	19.8	<10.0	19.8	304	
SW-15	04/17/23	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-16	04/17/23	(4-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416	
SW-17	04/17/23	(6-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320	
SW-18	04/17/23	(6-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.8	30.8	<10.0	30.8	288	
SW-19	04/17/23	(4-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-20	04/17/23	(6-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
SW-21	04/17/23	(4-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640	
SW-21A	05/08/23	(8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
SW-22	04/17/23	(0-4')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368.0	
SW-22A	05/24/23	(0-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
SW-23	04/17/23	(4-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240	
SW-23A	05/24/23	(8-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	
SW-24	04/17/23	(4-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SW-25	04/17/23	(0-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432	
SW-26	04/17/23	(3-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528	
SW-27	04/17/23	(3-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480	
SW-28	04/17/23	(3-5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
SW-29	04/17/23	(3-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384	
SW-30	04/17/23	(0-6')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SW-31	04/17/23	(0-8')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336	
SW-32	04/18/23	(3-11')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	

Notes:

1. Values reported in mg/kg 5. TPH analyses by EPA Method SW 8015 Mod.

2. < = Value Less Than Reporting Limit 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

3. Bold indicates Analyte Detected 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

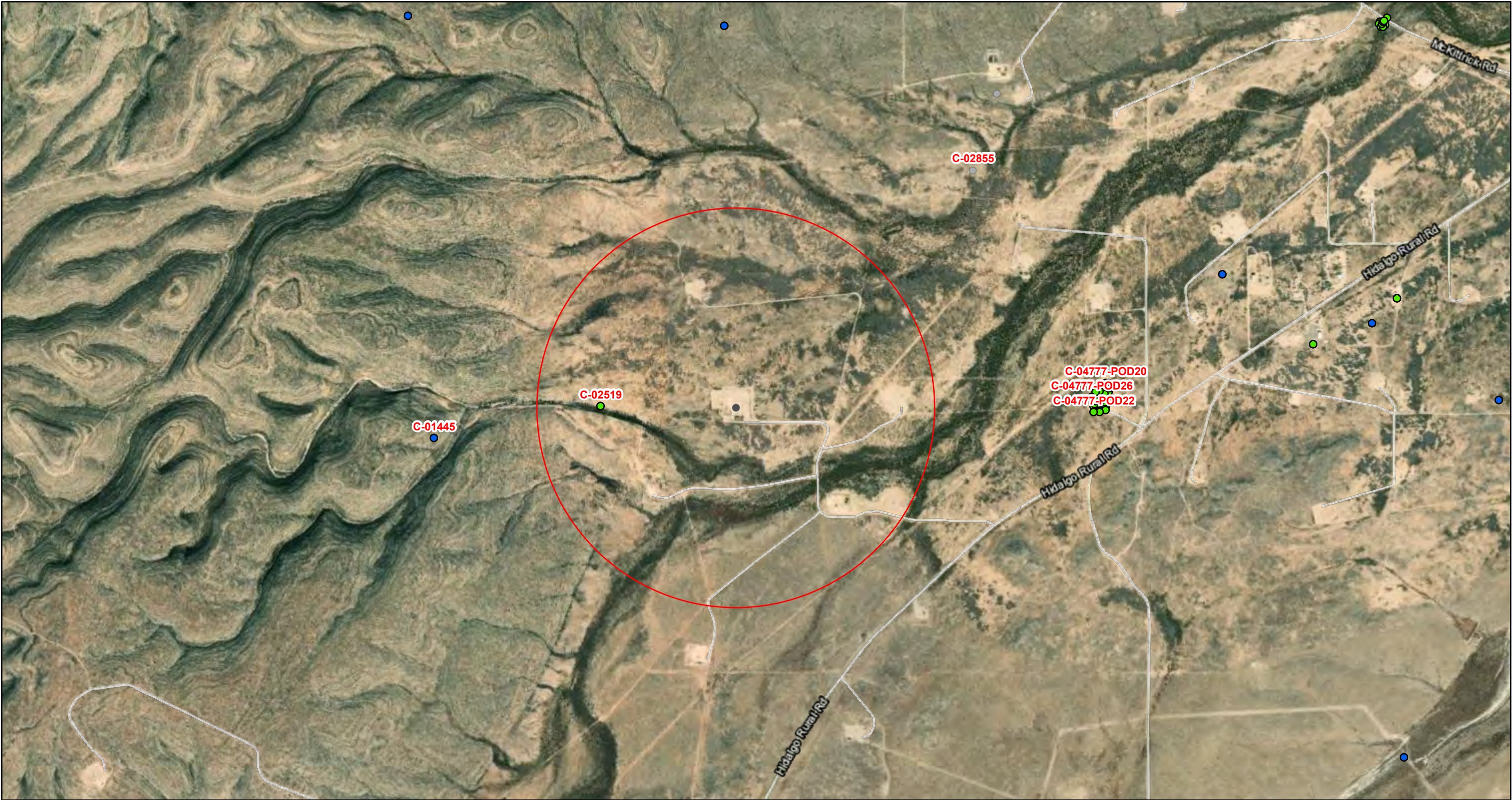
4. BTEX analyses by EPA Method SW 8260 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

SP-1 Sample Point Excavate 9. --- Not Analyzed

10. ND= NON DETECTABLE

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

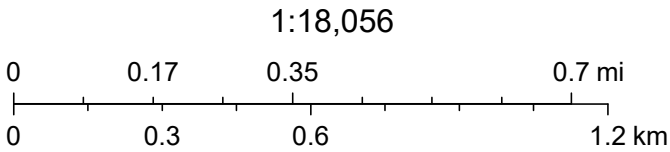
OSE POD Location Map



10/31/2023, 10:52:29 AM

GIS WATERS PODs

- Active
- Pending



Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

National Flood Hazard Layer FIRMette



104°19'46"W 32°21'2"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°19'9"W 32°20'32"N

Released to Imaging: 3/18/2024 9:38:26 AM

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/30/2023 at 6:10 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

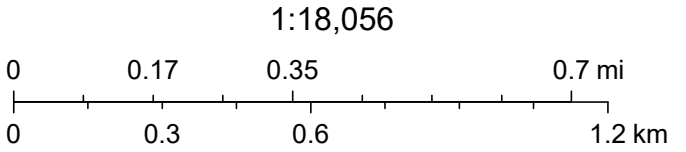
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

OCD Site Characterization Map



10/30/2023, 4:54:53 PM

- Site Location
- OSE Water PODs
- Active
- Pending
- Unknown
- USGS Historical GW Wells
- Karst Occurrence Potential
- High
- Medium
- Critical Karst Resource Area
- OSE Streams
- OSW Water Bodys



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



Daisy Duke 31 State Com #003H



October 30, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

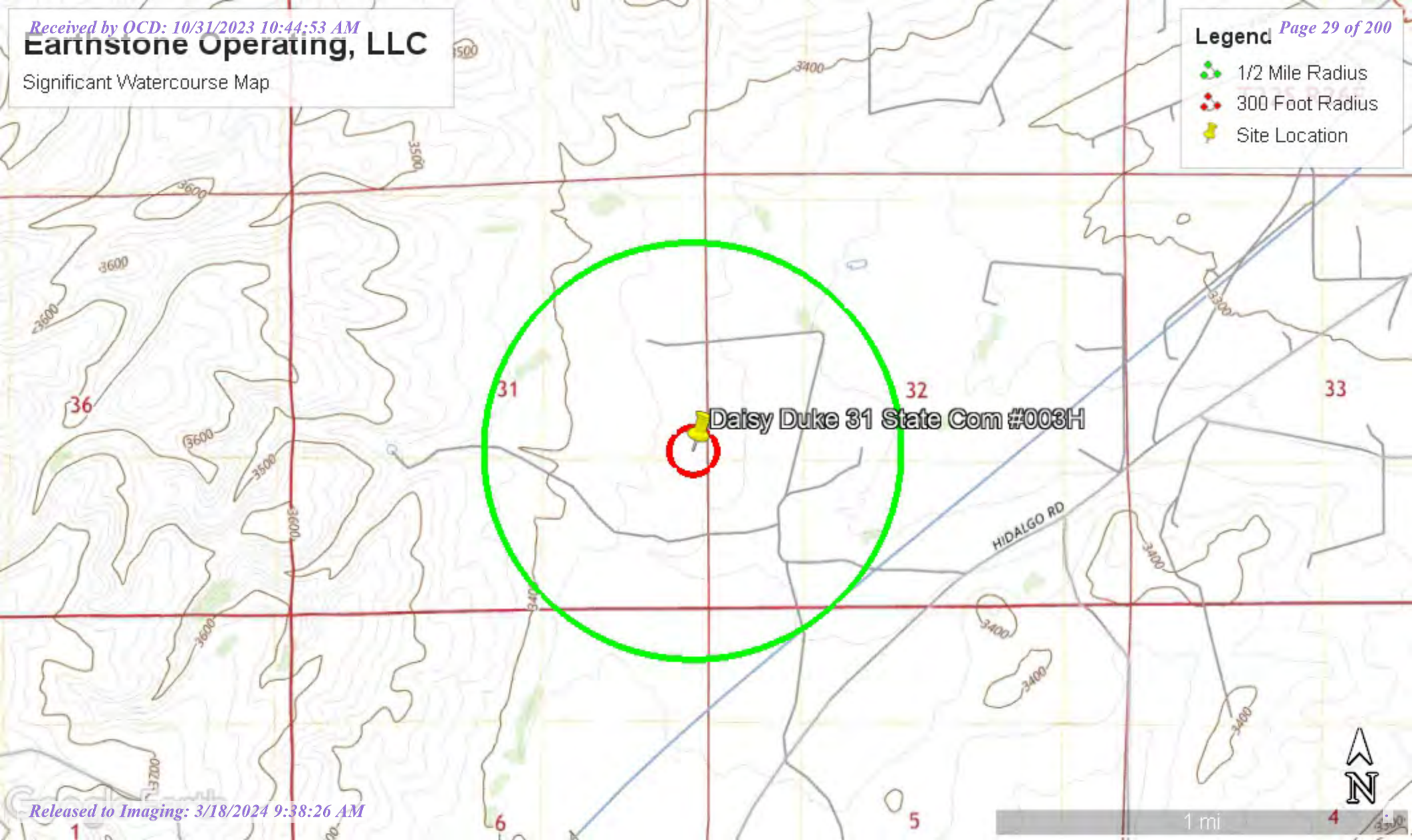
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Earthstone Operating, LLC

Significant Watercourse Map

Legend Page 29 of 200

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



ATTACHMENT B: CONFIRMATION SAMPLING NOTIFICATION

From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Daisy Duke 31 State Com #003H
Date: Wednesday, April 12, 2023 11:14:52 AM
Attachments: [image003.png](#)

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

Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, April 12, 2023 9:07 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] Daisy Duke 31 State Com #003H

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

Good Morning,

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

Daisy Duke 31 State Com #003H
I-31-22S-26E
Eddy County, NM
nAPP2227746276

Sampling will begin at 8:00 a.m. on Monday, April 17, 2023, and continue through Friday, April 21, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Daisy Duke 31 State Com #003H
Date: Thursday, May 4, 2023 9:21:34 AM
Attachments: [image003.png](#)

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Ricardo,

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JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 3, 2023 10:37 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>
Subject: [EXTERNAL] Daisy Duke 31 State Com #003H

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Good Morning,

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

Daisy Duke 31 State Com #003H
I-31-22S-26E
Eddy County, NM
nAPP2227746276

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

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Daisy Duke 31 State Com #003H
Date: Wednesday, May 10, 2023 4:29:08 PM
Attachments: [image003.png](#)

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Ricardo,

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JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 10, 2023 12:45 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] Daisy Duke 31 State Com #003H

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

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

Daisy Duke 31 State Com #003H
I-31-22S-26E
Eddy County, NM
nAPP2227746276

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

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



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From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Daisy Duke 31 State Com #003H
Date: Wednesday, May 17, 2023 4:44:34 PM
Attachments: [image002.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, May 17, 2023 1:23 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>
Subject: FW: [EXTERNAL] Daisy Duke 31 State Com #003H

Good afternoon,

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

Daisy Duke 31 State Com #003H
I-31-22S-26E
Eddy County, NM
nAPP2227746276

Sampling will begin at 8:00 a.m. on Monday, May 22, 2023, and continue through Friday, May 26, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

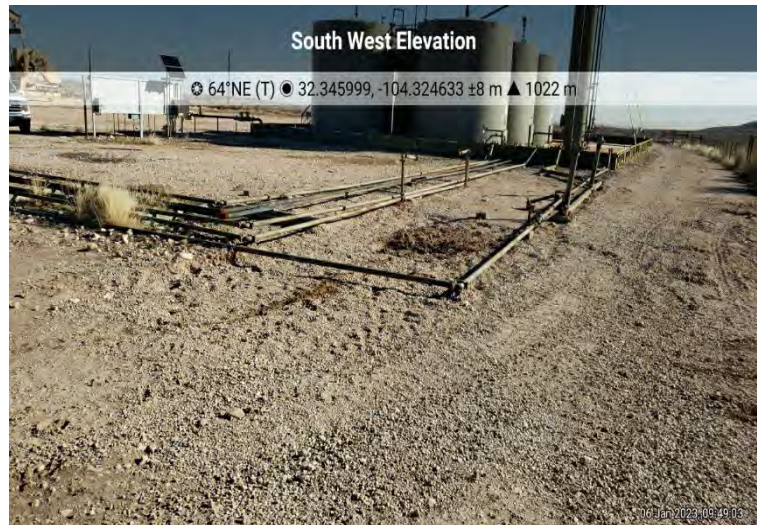
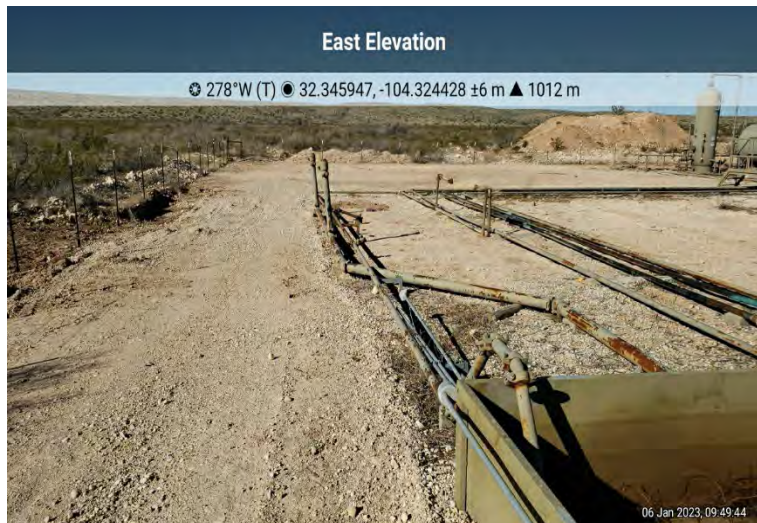
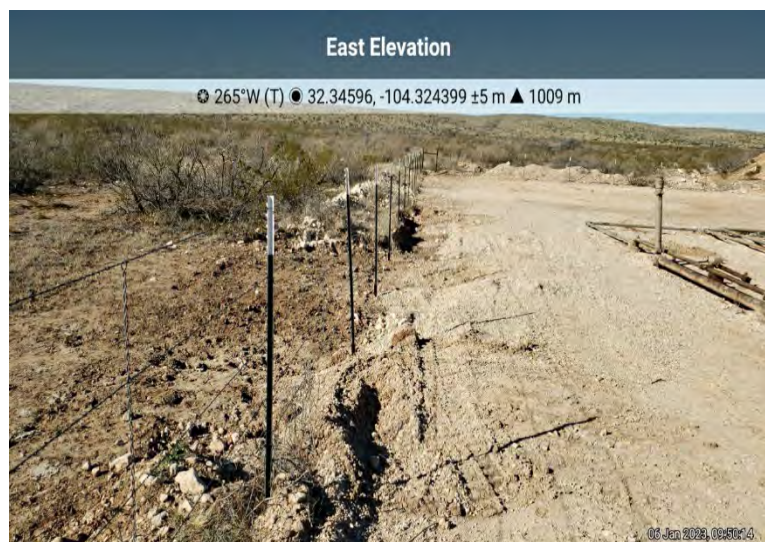
(432) 556-2006

Rbaer@ntglobal.com



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ATTACHMENT C: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG**Daisy Duke State COM #003H****Photograph No. 1****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of concern.**Photograph No. 2****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of concern.**Photograph No. 3****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of concern.

PHOTOGRAPHIC LOG**Daisy Duke State COM #003H****Photograph No. 4****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of concern.**Photograph No. 5****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of excavation.**Photograph No. 6****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of excavation.

PHOTOGRAPHIC LOG**Daisy Duke State COM #003H****Photograph No. 7****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of excavation.**Photograph No. 8****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area of excavation.**Photograph No. 9****Facility:** Daisy Duke State COM #003H**County:** Eddy County, New Mexico**Description:**
Area backfilled.

ATTACHMENT D: LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



ANALYTICAL REPORT

January 24, 2023

Earthstone Operating, LLC - Midland, TX

Sample Delivery Group: L1574882
Samples Received: 01/11/2023
Project Number: 236727
Description: Daisy Duck 31 State Com #003H

Report To: Chris Martin
600 N. Marienfeld
Suite 1000
Midland, TX 79701

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Jennifer Gambill".

Jennifer Gambill
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	7
Sr: Sample Results	8
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V-1 (2'-3') L1574882-03	10
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V-2 (1'-2') L1574882-06	13
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V-3 (2'-3') L1574882-11	18
V-3 (3'-4') L1574882-12	19
V-4 (0-1') L1574882-13	20
V-4 (1'-2') L1574882-14	21
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Gl: Glossary of Terms	41
Al: Accreditations & Locations	42
Sc: Sample Chain of Custody	43

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

V-1 (0-1') L1574882-01 Solid

Collected by Rick Pena
Collected date/time 01/06/23 10:30
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 03:56	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991159	1	01/11/23 17:32	01/19/23 13:40	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 16:45	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

V-1 (1'-2') L1574882-02 Solid

Collected by Rick Pena
Collected date/time 01/06/23 10:45
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 04:12	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1.01	01/11/23 17:32	01/18/23 21:41	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 15:13	JAS	Mt. Juliet, TN

V-1 (2'-3') L1574882-03 Solid

Collected by Rick Pena
Collected date/time 01/06/23 11:00
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1.01	01/12/23 01:00	01/12/23 04:28	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1.01	01/11/23 17:32	01/18/23 22:03	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 15:26	JAS	Mt. Juliet, TN

V-1 (3'-4') L1574882-04 Solid

Collected by Rick Pena
Collected date/time 01/06/23 11:15
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 04:44	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991159	1	01/11/23 17:32	01/19/23 14:03	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 15:39	JAS	Mt. Juliet, TN

V-2 (0-1') L1574882-05 Solid

Collected by Rick Pena
Collected date/time 01/06/23 11:30
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 05:00	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1	01/11/23 17:32	01/18/23 22:48	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 15:52	JAS	Mt. Juliet, TN

V-2 (1'-2') L1574882-06 Solid

Collected by Rick Pena
Collected date/time 01/06/23 11:45
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 05:16	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1.01	01/11/23 17:32	01/18/23 23:11	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 16:05	JAS	Mt. Juliet, TN

V-2 (2'-3') L1574882-07 Solid

Collected by Rick Pena
Collected date/time 01/06/23 12:00
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 06:52	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1.01	01/11/23 17:32	01/18/23 23:33	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 16:19	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

V-2 (3'-4') L1574882-08 Solid

Collected by Rick Pena
Collected date/time 01/06/23 12:15
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 07:08	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1	01/11/23 17:32	01/18/23 23:56	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987222	1	01/12/23 05:50	01/12/23 16:32	JAS	Mt. Juliet, TN

V-3 (0-1') L1574882-09 Solid

Collected by Rick Pena
Collected date/time 01/06/23 12:30
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 07:24	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987977	1	01/11/23 17:32	01/19/23 00:39	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	25	01/12/23 06:01	01/13/23 12:58	JAS	Mt. Juliet, TN

V-3 (1'-2') L1574882-10 Solid

Collected by Rick Pena
Collected date/time 01/06/23 12:45
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 07:40	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991156	100	01/11/23 17:32	01/19/23 10:13	KSD	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	50	01/12/23 06:01	01/13/23 13:24	JAS	Mt. Juliet, TN

V-3 (2'-3') L1574882-11 Solid

Collected by Rick Pena
Collected date/time 01/06/23 13:00
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 07:56	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1989374	100	01/11/23 17:32	01/16/23 23:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021	WG1989841	500	01/11/23 17:32	01/18/23 01:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	50	01/12/23 06:01	01/13/23 13:11	JAS	Mt. Juliet, TN

V-3 (3'-4') L1574882-12 Solid

Collected by Rick Pena
Collected date/time 01/06/23 13:15
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 08:12	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991159	1	01/11/23 17:32	01/19/23 14:25	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 08:25	JAS	Mt. Juliet, TN

V-4 (0-1') L1574882-13 Solid

Collected by Rick Pena
Collected date/time 01/06/23 13:30
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 08:28	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991159	1.01	01/11/23 17:32	01/19/23 14:48	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 10:22	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

V-4 (1'-2') L1574882-14 Solid

Collected by Rick Pena
Collected date/time 01/06/23 13:45
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 08:44	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991159	1.01	01/11/23 17:32	01/19/23 15:10	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 09:56	JAS	Mt. Juliet, TN

V-4 (2'-3') L1574882-15 Solid

Collected by Rick Pena
Collected date/time 01/06/23 14:00
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 09:32	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1989839	1	01/11/23 17:32	01/18/23 19:08	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 10:35	JAS	Mt. Juliet, TN

V-4 (3'-4') L1574882-16 Solid

Collected by Rick Pena
Collected date/time 01/06/23 14:15
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 09:48	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991495	1	01/11/23 17:32	01/19/23 15:33	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 10:09	JAS	Mt. Juliet, TN

H-1 (0-6") L1574882-17 Solid

Collected by Rick Pena
Collected date/time 01/06/23 14:30
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 10:20	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1989839	1	01/11/23 17:32	01/18/23 19:42	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 09:17	JAS	Mt. Juliet, TN

H-2 (0-6") L1574882-18 Solid

Collected by Rick Pena
Collected date/time 01/06/23 14:40
Received date/time 01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 10:36	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991495	1	01/11/23 17:32	01/19/23 15:55	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 11:01	JAS	Mt. Juliet, TN

SAMPLE SUMMARY

H-3 (0-6") L1574882-19 Solid

Collected by
Rick Pena

Collected date/time
01/06/23 14:50

Received date/time
01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 10:52	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1989839	1.01	01/11/23 17:32	01/18/23 20:29	MGF	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 09:43	JAS	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

H-4 (0-6") L1574882-20 Solid

Collected by
Rick Pena

Collected date/time
01/06/23 15:00

Received date/time
01/11/23 08:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987212	1	01/12/23 01:00	01/12/23 11:08	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1991495	1	01/11/23 17:32	01/19/23 16:18	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1987223	1	01/12/23 06:01	01/13/23 10:48	JAS	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer Gambill
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc

Collected date/time: 01/06/23 10:30

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.4		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	285		24.3	1	01/12/2023 03:56	WG1987212

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00296		0.000607	1	01/19/2023 13:40	WG1991159
Toluene	ND		0.00607	1	01/19/2023 13:40	WG1991159
Ethylbenzene	0.000629		0.000607	1	01/19/2023 13:40	WG1991159
Total Xylene	0.00416	B	0.00182	1	01/19/2023 13:40	WG1991159
TPH (GC/FID) Low Fraction	ND		0.121	1	01/19/2023 13:40	WG1991159
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/19/2023 13:40	WG1991159
(S) a,a,a-Trifluorotoluene(PID)	99.2		72.0-128		01/19/2023 13:40	WG1991159

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	33.8		4.86	1	01/12/2023 16:45	WG1987222
C28-C36 Motor Oil Range	45.2		4.86	1	01/12/2023 16:45	WG1987222
(S) o-Terphenyl	55.4		18.0-148		01/12/2023 16:45	WG1987222

Collected date/time: 01/06/23 10:45

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	133		27.3	1	01/12/2023 04:12	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.00596		0.000689	1.01	01/18/2023 21:41	WG1987977
Toluene	0.0145		0.00689	1.01	01/18/2023 21:41	WG1987977
Ethylbenzene	0.00164		0.000689	1.01	01/18/2023 21:41	WG1987977
Total Xylene	0.0101		0.00207	1.01	01/18/2023 21:41	WG1987977
TPH (GC/FID) Low Fraction	ND		0.138	1.01	01/18/2023 21:41	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	99.3		77.0-120		01/18/2023 21:41	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	97.5		72.0-128		01/18/2023 21:41	WG1987977

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		5.45	1	01/12/2023 15:13	WG1987222
C28-C36 Motor Oil Range	ND		5.45	1	01/12/2023 15:13	WG1987222
(S) o-Terphenyl	68.8		18.0-148		01/12/2023 15:13	WG1987222

Collected date/time: 01/06/23 11:00

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.0		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	57.8		26.9	1.01	01/12/2023 04:28	WG1987212

5 Sr

6 Qc

7 Gl

8 Al

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000746	B	0.000673	1.01	01/18/2023 22:03	WG1987977
Toluene	ND		0.00673	1.01	01/18/2023 22:03	WG1987977
Ethylbenzene	ND		0.000673	1.01	01/18/2023 22:03	WG1987977
Total Xylene	ND		0.00203	1.01	01/18/2023 22:03	WG1987977
TPH (GC/FID) Low Fraction	ND		0.135	1.01	01/18/2023 22:03	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/18/2023 22:03	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/18/2023 22:03	WG1987977

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		5.33	1	01/12/2023 15:26	WG1987222
C28-C36 Motor Oil Range	ND		5.33	1	01/12/2023 15:26	WG1987222
(S) o-Terphenyl	57.4		18.0-148		01/12/2023 15:26	WG1987222

Collected date/time: 01/06/23 11:15

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.1		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	ND		22.2	1	01/12/2023 04:44	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00370		0.000555	1	01/19/2023 14:03	WG1991159
Toluene	ND		0.00555	1	01/19/2023 14:03	WG1991159
Ethylbenzene	ND		0.000555	1	01/19/2023 14:03	WG1991159
Total Xylene	0.00246	B	0.00166	1	01/19/2023 14:03	WG1991159
TPH (GC/FID) Low Fraction	ND		0.111	1	01/19/2023 14:03	WG1991159
(S) a,a,a-Trifluorotoluene(FID)	100		77.0-120		01/19/2023 14:03	WG1991159
(S) a,a,a-Trifluorotoluene(PID)	99.8		72.0-128		01/19/2023 14:03	WG1991159

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		4.44	1	01/12/2023 15:39	WG1987222
C28-C36 Motor Oil Range	ND		4.44	1	01/12/2023 15:39	WG1987222
(S) o-Terphenyl	62.2		18.0-148		01/12/2023 15:39	WG1987222

Collected date/time: 01/06/23 11:30

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.4		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	34.6		25.8	1	01/12/2023 05:00	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00278		0.000646	1	01/18/2023 22:48	WG1987977
Toluene	ND		0.00646	1	01/18/2023 22:48	WG1987977
Ethylbenzene	ND		0.000646	1	01/18/2023 22:48	WG1987977
Total Xylene	0.00221	B	0.00194	1	01/18/2023 22:48	WG1987977
TPH (GC/FID) Low Fraction	ND		0.129	1	01/18/2023 22:48	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	97.9		77.0-120		01/18/2023 22:48	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	96.6		72.0-128		01/18/2023 22:48	WG1987977

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	129		5.17	1	01/12/2023 15:52	WG1987222
C28-C36 Motor Oil Range	75.6		5.17	1	01/12/2023 15:52	WG1987222
(S) o-Terphenyl	64.6		18.0-148		01/12/2023 15:52	WG1987222

Collected date/time: 01/06/23 11:45

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.8		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	272		23.6	1	01/12/2023 05:16	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.00381		0.000596	1.01	01/18/2023 23:11	WG1987977
Toluene	ND		0.00596	1.01	01/18/2023 23:11	WG1987977
Ethylbenzene	0.000984		0.000596	1.01	01/18/2023 23:11	WG1987977
Total Xylene	0.00278	B	0.00179	1.01	01/18/2023 23:11	WG1987977
TPH (GC/FID) Low Fraction	ND		0.119	1.01	01/18/2023 23:11	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/18/2023 23:11	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	99.3		72.0-128		01/18/2023 23:11	WG1987977

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	42.2		4.72	1	01/12/2023 16:05	WG1987222
C28-C36 Motor Oil Range	33.6		4.72	1	01/12/2023 16:05	WG1987222
(S) o-Terphenyl	65.7		18.0-148		01/12/2023 16:05	WG1987222

Collected date/time: 01/06/23 12:00

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	01/12/2023 15:52	WG1987295

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	167		22.1	1	01/12/2023 06:52	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.00244		0.000558	1.01	01/18/2023 23:33	WG1987977
Toluene	ND		0.00558	1.01	01/18/2023 23:33	WG1987977
Ethylbenzene	0.000757		0.000558	1.01	01/18/2023 23:33	WG1987977
Total Xylene	0.00328	B	0.00168	1.01	01/18/2023 23:33	WG1987977
TPH (GC/FID) Low Fraction	ND		0.112	1.01	01/18/2023 23:33	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/18/2023 23:33	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	99.2		72.0-128		01/18/2023 23:33	WG1987977

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.42	1	01/12/2023 16:19	WG1987222
C28-C36 Motor Oil Range	8.36		4.42	1	01/12/2023 16:19	WG1987222
(S) o-Terphenyl	75.9		18.0-148		01/12/2023 16:19	WG1987222

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 12:15

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.8		1	01/12/2023 15:52	WG1987295

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	ND		22.3	1	01/12/2023 07:08	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00197		0.000557	1	01/18/2023 23:56	WG1987977
Toluene	ND		0.00557	1	01/18/2023 23:56	WG1987977
Ethylbenzene	ND		0.000557	1	01/18/2023 23:56	WG1987977
Total Xylene	ND		0.00167	1	01/18/2023 23:56	WG1987977
TPH (GC/FID) Low Fraction	ND		0.111	1	01/18/2023 23:56	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/18/2023 23:56	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	99.9		72.0-128		01/18/2023 23:56	WG1987977

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	5.76		4.46	1	01/12/2023 16:32	WG1987222
C28-C36 Motor Oil Range	15.8		4.46	1	01/12/2023 16:32	WG1987222
(S) o-Terphenyl	74.7		18.0-148		01/12/2023 16:32	WG1987222

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 12:30

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.6		1	01/12/2023 15:52	WG1987295

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	ND		20.9	1	01/12/2023 07:24	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00114	B	0.000523	1	01/19/2023 00:39	WG1987977
Toluene	ND		0.00523	1	01/19/2023 00:39	WG1987977
Ethylbenzene	0.0135		0.000523	1	01/19/2023 00:39	WG1987977
Total Xylene	0.120		0.00157	1	01/19/2023 00:39	WG1987977
TPH (GC/FID) Low Fraction	4.99		0.105	1	01/19/2023 00:39	WG1987977
(S) a,a,a-Trifluorotoluene(FID)	96.6		77.0-120		01/19/2023 00:39	WG1987977
(S) a,a,a-Trifluorotoluene(PID)	96.4		72.0-128		01/19/2023 00:39	WG1987977

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	1800		105	25	01/13/2023 12:58	WG1987223
C28-C36 Motor Oil Range	898		105	25	01/13/2023 12:58	WG1987223
(S) o-Terphenyl	0.000	J7	18.0-148		01/13/2023 12:58	WG1987223

Collected date/time: 01/06/23 12:45

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.4		1	01/12/2023 15:52	WG1987295

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		24.3	1	01/12/2023 07:40	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.342		0.0713	100	01/19/2023 10:13	WG1991156
Toluene	1.77		0.713	100	01/19/2023 10:13	WG1991156
Ethylbenzene	1.64		0.0713	100	01/19/2023 10:13	WG1991156
Total Xylene	77.0		0.214	100	01/19/2023 10:13	WG1991156
TPH (GC/FID) Low Fraction	1410		14.3	100	01/19/2023 10:13	WG1991156
(S) a,a,a-Trifluorotoluene(FID)	95.5		77.0-120		01/19/2023 10:13	WG1991156
(S) a,a,a-Trifluorotoluene(PID)	105		72.0-128		01/19/2023 10:13	WG1991156

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	14300		243	50	01/13/2023 13:24	WG1987223
C28-C36 Motor Oil Range	5770		243	50	01/13/2023 13:24	WG1987223
(S) o-Terphenyl	0.000	J7	18.0-148		01/13/2023 13:24	WG1987223

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 13:00

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		24.5	1	01/12/2023 07:56	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	3.21		0.0723	100	01/16/2023 23:08	WG1989374
Toluene	7.76	J6	0.723	100	01/16/2023 23:08	WG1989374
Ethylbenzene	6.16	J6	0.0723	100	01/16/2023 23:08	WG1989374
Total Xylene	89.4		1.08	500	01/18/2023 01:56	WG1989841
TPH (GC/FID) Low Fraction	1430	J6	14.5	100	01/16/2023 23:08	WG1989374
(S) a,a,a-Trifluorotoluene(FID)	85.3		77.0-120		01/16/2023 23:08	WG1989374
(S) a,a,a-Trifluorotoluene(FID)	89.8		77.0-120		01/18/2023 01:56	WG1989841
(S) a,a,a-Trifluorotoluene(PID)	99.8		72.0-128		01/16/2023 23:08	WG1989374
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		01/18/2023 01:56	WG1989841

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	8490		245	50	01/13/2023 13:11	WG1987223
C28-C36 Motor Oil Range	3300		245	50	01/13/2023 13:11	WG1987223
(S) o-Terphenyl	0.000	J7	18.0-148		01/13/2023 13:11	WG1987223

Collected date/time: 01/06/23 13:15

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	ND		22.2	1	01/12/2023 08:12	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00153		0.000554	1	01/19/2023 14:25	WG1991159
Toluene	ND		0.00554	1	01/19/2023 14:25	WG1991159
Ethylbenzene	ND		0.000554	1	01/19/2023 14:25	WG1991159
Total Xylene	ND		0.00166	1	01/19/2023 14:25	WG1991159
TPH (GC/FID) Low Fraction	ND		0.111	1	01/19/2023 14:25	WG1991159
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		01/19/2023 14:25	WG1991159
(S) a,a,a-Trifluorotoluene(PID)	99.4		72.0-128		01/19/2023 14:25	WG1991159

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	8.06		4.43	1	01/13/2023 08:25	WG1987223
C28-C36 Motor Oil Range	32.3		4.43	1	01/13/2023 08:25	WG1987223
(S) o-Terphenyl	68.9		18.0-148		01/13/2023 08:25	WG1987223

Collected date/time: 01/06/23 13:30

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.5		1	01/12/2023 15:26	WG1987296

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	106		22.8	1	01/12/2023 08:28	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.00665		0.000577	1.01	01/19/2023 14:48	WG1991159
Toluene	ND		0.00577	1.01	01/19/2023 14:48	WG1991159
Ethylbenzene	0.00530		0.000577	1.01	01/19/2023 14:48	WG1991159
Total Xylene	0.0122		0.00174	1.01	01/19/2023 14:48	WG1991159
TPH (GC/FID) Low Fraction	0.460		0.115	1.01	01/19/2023 14:48	WG1991159
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/19/2023 14:48	WG1991159
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 14:48	WG1991159

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	40.7		4.57	1	01/13/2023 10:22	WG1987223
C28-C36 Motor Oil Range	35.1		4.57	1	01/13/2023 10:22	WG1987223
(S) o-Terphenyl	67.7		18.0-148		01/13/2023 10:22	WG1987223

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 13:45

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	77.8		23.4	1	01/12/2023 08:44	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00229		0.000591	1.01	01/19/2023 15:10	WG1991159
Toluene	ND		0.00591	1.01	01/19/2023 15:10	WG1991159
Ethylbenzene	0.000636		0.000591	1.01	01/19/2023 15:10	WG1991159
Total Xylene	0.00192	B	0.00178	1.01	01/19/2023 15:10	WG1991159
TPH (GC/FID) Low Fraction	ND		0.118	1.01	01/19/2023 15:10	WG1991159
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/19/2023 15:10	WG1991159
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 15:10	WG1991159

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	50.0		4.68	1	01/13/2023 09:56	WG1987223
C28-C36 Motor Oil Range	35.7		4.68	1	01/13/2023 09:56	WG1987223
(S) o-Terphenyl	81.9		18.0-148		01/13/2023 09:56	WG1987223

Collected date/time: 01/06/23 14:00

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.4		1	01/12/2023 15:26	WG1987296

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	48.5		23.4	1	01/12/2023 09:32	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00258		0.000586	1	01/18/2023 19:08	WG1989839
Toluene	ND		0.00586	1	01/18/2023 19:08	WG1989839
Ethylbenzene	0.00124		0.000586	1	01/18/2023 19:08	WG1989839
Total Xylene	0.00493	B	0.00176	1	01/18/2023 19:08	WG1989839
TPH (GC/FID) Low Fraction	0.178		0.117	1	01/18/2023 19:08	WG1989839
(S) a,a,a-Trifluorotoluene(FID)	100		77.0-120		01/18/2023 19:08	WG1989839
(S) a,a,a-Trifluorotoluene(PID)	99.1		72.0-128		01/18/2023 19:08	WG1989839

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	56.2		4.68	1	01/13/2023 10:35	WG1987223
C28-C36 Motor Oil Range	42.6		4.68	1	01/13/2023 10:35	WG1987223
(S) o-Terphenyl	75.8		18.0-148		01/13/2023 10:35	WG1987223

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Collected date/time: 01/06/23 14:15

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.3		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	ND		22.2	1	01/12/2023 09:48	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	ND		0.000554	1	01/19/2023 15:33	WG1991495
Toluene	ND		0.00554	1	01/19/2023 15:33	WG1991495
Ethylbenzene	ND		0.000554	1	01/19/2023 15:33	WG1991495
Total Xylene	ND		0.00166	1	01/19/2023 15:33	WG1991495
TPH (GC/FID) Low Fraction	0.341		0.111	1	01/19/2023 15:33	WG1991495
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		01/19/2023 15:33	WG1991495
(S) a,a,a-Trifluorotoluene(PID)	99.6		72.0-128		01/19/2023 15:33	WG1991495

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.64		4.43	1	01/13/2023 10:09	WG1987223
C28-C36 Motor Oil Range	18.6		4.43	1	01/13/2023 10:09	WG1987223
(S) o-Terphenyl	96.3		18.0-148		01/13/2023 10:09	WG1987223

Collected date/time: 01/06/23 14:30

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.6		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	139		26.5	1	01/12/2023 10:20	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.00251		0.000662	1	01/18/2023 19:42	WG1989839
Toluene	ND		0.00662	1	01/18/2023 19:42	WG1989839
Ethylbenzene	ND		0.000662	1	01/18/2023 19:42	WG1989839
Total Xylene	ND		0.00198	1	01/18/2023 19:42	WG1989839
TPH (GC/FID) Low Fraction	ND		0.132	1	01/18/2023 19:42	WG1989839
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/18/2023 19:42	WG1989839
(S) a,a,a-Trifluorotoluene(PID)	106		72.0-128		01/18/2023 19:42	WG1989839

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		5.29	1	01/13/2023 09:17	WG1987223
C28-C36 Motor Oil Range	ND		5.29	1	01/13/2023 09:17	WG1987223
(S) o-Terphenyl	76.4		18.0-148		01/13/2023 09:17	WG1987223

Collected date/time: 01/06/23 14:40

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.6		1	01/12/2023 15:26	WG1987296

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	474		20.5	1	01/12/2023 10:36	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000986	B	0.000513	1	01/19/2023 15:55	WG1991495
Toluene	ND		0.00513	1	01/19/2023 15:55	WG1991495
Ethylbenzene	ND		0.000513	1	01/19/2023 15:55	WG1991495
Total Xylene	ND		0.00154	1	01/19/2023 15:55	WG1991495
TPH (GC/FID) Low Fraction	ND		0.103	1	01/19/2023 15:55	WG1991495
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/19/2023 15:55	WG1991495
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		01/19/2023 15:55	WG1991495

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	6.19		4.10	1	01/13/2023 11:01	WG1987223
C28-C36 Motor Oil Range	20.4		4.10	1	01/13/2023 11:01	WG1987223
(S) o-Terphenyl	95.0		18.0-148		01/13/2023 11:01	WG1987223

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 14:50

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	75.2		1	01/12/2023 15:26	WG1987296

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
Chloride	ND		26.6	1	01/12/2023 10:52	WG1987212

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
Benzene	0.00331		0.000672	1.01	01/18/2023 20:29	WG1989839
Toluene	ND		0.00672	1.01	01/18/2023 20:29	WG1989839
Ethylbenzene	ND		0.000672	1.01	01/18/2023 20:29	WG1989839
Total Xylene	0.00239	B	0.00202	1.01	01/18/2023 20:29	WG1989839
TPH (GC/FID) Low Fraction	ND		0.134	1.01	01/18/2023 20:29	WG1989839
(S) a,a,a-Trifluorotoluene(FID)	100		77.0-120		01/18/2023 20:29	WG1989839
(S) a,a,a-Trifluorotoluene(PID)	99.6		72.0-128		01/18/2023 20:29	WG1989839

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	ND		5.32	1	01/13/2023 09:43	WG1987223
C28-C36 Motor Oil Range	ND		5.32	1	01/13/2023 09:43	WG1987223
(S) o-Terphenyl	69.5		18.0-148		01/13/2023 09:43	WG1987223

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 01/06/23 15:00

L1574882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.7		1	01/12/2023 15:26	WG1987296

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chloride	89.0		24.2	1	01/12/2023 11:08	WG1987212

5 Sr

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	0.000897	B	0.000604	1	01/19/2023 16:18	WG1991495
Toluene	ND		0.00604	1	01/19/2023 16:18	WG1991495
Ethylbenzene	ND		0.000604	1	01/19/2023 16:18	WG1991495
Total Xylene	ND		0.00181	1	01/19/2023 16:18	WG1991495
TPH (GC/FID) Low Fraction	ND		0.121	1	01/19/2023 16:18	WG1991495
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		01/19/2023 16:18	WG1991495
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 16:18	WG1991495

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	75.7		4.83	1	01/13/2023 10:48	WG1987223
C28-C36 Motor Oil Range	77.2		4.83	1	01/13/2023 10:48	WG1987223
(S) o-Terphenyl	69.0		18.0-148		01/13/2023 10:48	WG1987223

Total Solids by Method 2540 G-2011 [L1574882-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3880691-1 01/12/23 15:52

	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00300			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1574882-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1574882-04 01/12/23 15:52 • (DUP) R3880691-3 01/12/23 15:52

	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.1	90.0	1	0.158		10

Laboratory Control Sample (LCS)

(LCS) R3880691-2 01/12/23 15:52

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1574882-11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3880687-1 01/12/23 15:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00200			

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1574882-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1574882-14 01/12/23 15:26 • (DUP) R3880687-3 01/12/23 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	85.4	86.0	1	0.705		10

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3880687-2 01/12/23 15:26

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

⁹Sc

Wet Chemistry by Method 300.0

[L1574882-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3880497-1 01/12/23 03:08

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		9.20	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1574882-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1574882-06 01/12/23 05:16 • (DUP) R3880497-3 01/12/23 05:32

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	272	268	1	1.43		20

L1574882-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1574882-16 01/12/23 09:48 • (DUP) R3880497-6 01/12/23 10:04

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	ND	ND	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3880497-2 01/12/23 03:24

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	209	105	90.0-110	

L1574882-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574882-06 01/12/23 05:16 • (MS) R3880497-4 01/12/23 06:20 • (MSD) R3880497-5 01/12/23 06:36

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	590	272	891	871	105	102	1	80.0-120			2.27	20

Volatile Organic Compounds (GC) by Method 8015/8021 [L1574882-02,03,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3882373-3 01/18/23 18:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000144	U	0.000120	0.000500
Toluene	0.000523	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	0.000605	U	0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

Laboratory Control Sample (LCS)

(LCS) R3882373-1 01/18/23 16:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0505	101	76.0-121	
Toluene	0.0500	0.0553	111	80.0-120	
Ethylbenzene	0.0500	0.0554	111	80.0-124	
Total Xylene	0.150	0.141	94.0	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3882373-2 01/18/23 16:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.92	89.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

L1574882-11

Method Blank (MB)

(MB) R3881635-3 01/16/23 16:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00300	0.0125
Toluene	0.0148	U	0.00375	0.125
Ethylbenzene	0.00415	U	0.00275	0.0125
TPH (GC/FID) Low Fraction	U		0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	88.8			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	99.7			72.0-128

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

Laboratory Control Sample (LCS)

(LCS) R3881635-1 01/16/23 12:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0490	98.0	76.0-121	
Toluene	0.0500	0.0469	93.8	80.0-120	
Ethylbenzene	0.0500	0.0438	87.6	80.0-124	
(S) a,a,a-Trifluorotoluene(FID)			92.3	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			103	72.0-128	

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3881635-2 01/16/23 12:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.07	92.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			111	72.0-128	

L1574882-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574882-11 01/16/23 23:08 • (MS) R3881635-4 01/17/23 00:46 • (MSD) R3881635-5 01/17/23 01:25

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	7.23	3.21	6.64	6.94	47.4	51.6	100	10.0-155			4.47	32
Toluene	7.23	7.76	5.97	6.25	0.000	0.000	100	10.0-160	J6	J6	4.50	34

Volatile Organic Compounds (GC) by Method 8015/8021 L1574882-11

L1574882-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574882-11 01/16/23 23:08 • (MS) R3881635-4 01/17/23 00:46 • (MSD) R3881635-5 01/17/23 01:25

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Ethylbenzene	7.23	6.16	5.80	6.07	0.000	0.000	100	10.0-160	J6	J6	4.63	32
(S) a,a,a-Trifluorotoluene(FID)					90.7	89.9		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					100	100		72.0-128				

1 Cp

2 Tc

3 Ss

4 Cn

L1574882-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574882-11 01/16/23 23:08 • (MS) R3881635-6 01/17/23 01:49 • (MSD) R3881635-7 01/17/23 02:14

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	795	1430	560	742	0.000	0.000	100	10.0-151	J6	J6	28.0	28
(S) a,a,a-Trifluorotoluene(FID)					98.3	101		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					108	111		72.0-128				

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (GC) by Method 8015/8021

[L1574882-15,17,19](#)

Method Blank (MB)

(MB) R3882374-3 01/18/23 18:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000144	U	0.000120	0.000500
Toluene	0.000523	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	0.000605	U	0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	102			72.0-128

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3882374-1 01/18/23 16:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0505	101	76.0-121	
Toluene	0.0500	0.0553	111	80.0-120	
Ethylbenzene	0.0500	0.0554	111	80.0-124	
Total Xylene	0.150	0.141	94.0	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3882374-2 01/18/23 16:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.92	89.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			106	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

L1574882-10

Method Blank (MB)

(MB) R3882476-3 01/19/23 09:51

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.00300	0.0125
Toluene	0.0108	U	0.00375	0.125
Ethylbenzene	U		0.00275	0.0125
Total Xylene	U		0.0115	0.0375
TPH (GC/FID) Low Fraction	0.812	U	0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	105			72.0-128

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3882476-1 01/19/23 08:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0535	107	76.0-121	
Toluene	0.0500	0.0519	104	80.0-120	
Ethylbenzene	0.0500	0.0575	115	80.0-124	
Total Xylene	0.150	0.166	111	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			102	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			105	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3882476-2 01/19/23 08:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.14	93.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			109	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1574882-01,04,12,13,14](#)

Method Blank (MB)

(MB) R3882637-3 01/19/23 13:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000132	U	0.000120	0.000500
Toluene	0.000461	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	0.000659	U	0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	110			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	107			72.0-128

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Laboratory Control Sample (LCS)

(LCS) R3882637-1 01/19/23 11:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0514	103	76.0-121	
Toluene	0.0500	0.0559	112	80.0-120	
Ethylbenzene	0.0500	0.0555	111	80.0-124	
Total Xylene	0.150	0.143	95.3	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3882637-2 01/19/23 12:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.92	89.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			100	72.0-128	

Volatile Organic Compounds (GC) by Method 8015/8021

[L1574882-16,18,20](#)

Method Blank (MB)

(MB) R3882638-3 01/19/23 13:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.000132	U	0.000120	0.000500
Toluene	0.000461	U	0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	0.000659	U	0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	110			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	107			72.0-128

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3882638-1 01/19/23 11:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0514	103	76.0-121	
Toluene	0.0500	0.0559	112	80.0-120	
Ethylbenzene	0.0500	0.0555	111	80.0-124	
Total Xylene	0.150	0.143	95.3	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			103	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			102	72.0-128	

Laboratory Control Sample (LCS)

(LCS) R3882638-2 01/19/23 12:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.92	89.5	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			100	72.0-128	

Method Blank (MB)

(MB) R3882047-2 01/18/23 01:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Total Xylene	U		0.0115	0.0375
(S) a,a,a-Trifluorotoluene(FID)	89.7			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3882047-1 01/18/23 00:05

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Xylene	0.150	0.136	90.7	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			90.7	77.0-120	
(S) a,a,a-Trifluorotoluene(PID)			101	72.0-128	

Semi-Volatile Organic Compounds (GC) by Method 8015M [L1574882-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3880723-1 01/12/23 14:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	78.8			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3880723-2 01/12/23 15:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	37.2	74.4	50.0-150	
(S) o-Terphenyl			81.7	18.0-148	

L1574877-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574877-02 01/13/23 12:40 • (MS) R3880856-1 01/13/23 12:52 • (MSD) R3880856-2 01/13/23 13:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	54.3	ND	ND	97.9	46.1	63.9	20	50.0-150	J6		10.4	20
(S) o-Terphenyl					0.000	0.000		18.0-148	J7	J7		

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1574882-09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3880852-1 01/13/23 07:59

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	83.3			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3880852-2 01/13/23 08:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	42.2	84.4	50.0-150	
(S) o-Terphenyl			93.7	18.0-148	

L1574950-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1574950-01 01/13/23 12:06 • (MS) R3880852-3 01/13/23 12:19 • (MSD) R3880852-4 01/13/23 12:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.9	ND	58.1	68.0	65.1	81.4	5	50.0-150			15.6	20
(S) o-Terphenyl					84.2	88.9		18.0-148				

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Chain of Custody

Work Order No: _____

Page 1 of 2

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. Marienfeld, Suite 1000
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

Work Order Comments			
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/>	Brownfields <input type="checkbox"/> RRC <input type="checkbox"/>	uperfund <input type="checkbox"/>
State of Project:			
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/>	PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/>	Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/>	ADaPT <input type="checkbox"/>	Other: <input type="checkbox"/>

[illegible]

Additoinal Comments:


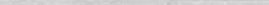
20 renewed

Sample Receipt Checklist

COC Seal Present/Intact:	<u>Y</u>	<u>X</u>	N	If Applicable	
COC Signed/Accurate:	<u>Y</u>	<u>X</u>	N	VOA Zero Headpace:	<u>Y</u> N
Bottles arrive intact:	<u>Y</u>	<u>X</u>	N	Pres. Correct/Check:	<u>Y</u> N
Correct bottles used:	<u>Y</u>	<u>X</u>	N		
Sufficient volume sent:	<u>Y</u>	<u>X</u>	N		
RAI Screen <0.5 mR/hr:	<u>Y</u>	<u>X</u>	N		

6822 Fedex
.340 = .3 5913 6272 3715

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Nick Hart		2			1/11 0830
3		4			
5		6			

Chain of Custody



Work Order No: _____

4574882
Page 2 of 2



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. Marienfeld, Suite 1000
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.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"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>		
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:		

Project Name:		Daisy Duck 31 State Com #003H				Turn Around		Pres. Code	ANALYSIS REQUEST														Preservative Codes									
Project Number:		236727				<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																	None: NO DI Water: H ₂ O									
Project Location		Eddy Co, NM				Due Date:		Standard		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0										HOLD	Cool: Cool MeOH: Me								
Sampler's Name:		Rick Pena				TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC HNO ₃ : HN								
PO #:																								H ₂ SO ₄ : H ₂ NaOH: Na								
SAMPLE RECEIPT		Temp Blank:		Yes No																				Wet Ice:		Yes No		H ₃ PO ₄ : HP				
Received Intact:		Yes No				Thermometer ID:																		NaHSO ₄ : NABIS								
Cooler Custody Seals:		Yes No N/A				Correction Factor:				Na ₂ S ₂ O ₃ : NaSO ₃																						
Sample Custody Seals:		Yes No N/A				Temperature Reading:				Zn Acetate+NaOH: Zn																						
Total Containers:						Corrected Temperature:				NaOH+Ascorbic Acid: SAPC																						
Sample Identification		Date		Time		Soil		Water		Grab/ Comp		# of Cont																Sample Comments				
V-3 (2'-3')		1/6/2023		1:00		X		-		G		1		X	X	X															-11	
V-3 (3'-4')		1/6/2023		1:15		X		-		G		1		X	X	X															-12	
V-4 (0-1')		1/6/2023		1:30		X		-		G		1		X	X	X															-13	
V-4 (1'-2')		1/6/2023		1:45		X		-		G		1		X	X	X															-14	
V-4 (2'-3')		1/6/2023		2:00		X		-		G		1		X	X	X															-15	
V-4 (3'-4')		1/6/2023		2:15		X		-		G		1		X	X	X															-16	
H-1 (0-6")		1/6/2023		2:30		X		-		G		1		X	X	X															-17	
H-2 (0-6")		1/6/2023		2:40		X		-		G		1		X	X	X															-18	
H-3 (0-6")		1/6/2023		2:50		X		-		G		1		X	X	X															-19	
H-4 (0-6")		1/6/2023		3:00		X		-		G		1		X	X	X															-20	

Additional Comments:	
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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Nick Hart			2		✓ 4 0830
3			4		
5			6		



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

April 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 12:35.

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' 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: 04/12/2023
Reported: 04/18/2023
Project Name: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HD - N (0-6") (H231734-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.77	88.3	2.00	6.23		
Toluene*	<0.050	0.050	04/15/2023	ND	1.85	92.3	2.00	7.31		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.93		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.23	104	6.00	6.43		
Total BTEX	<0.300	0.300	04/15/2023	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	240	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	175	87.6	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
Reported: 04/18/2023
Project Name: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HD - E (0-6") (H231734-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.77	88.3	2.00	6.23		
Toluene*	<0.050	0.050	04/15/2023	ND	1.85	92.3	2.00	7.31		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.93		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.23	104	6.00	6.43		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	175	87.6	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 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: 04/12/2023
Reported: 04/18/2023
Project Name: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 04/11/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: HD - S (0-6") (H231734-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2023	ND	1.77	88.3	2.00	6.23		
Toluene*	<0.050	0.050	04/15/2023	ND	1.85	92.3	2.00	7.31		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.93		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.23	104	6.00	6.43		
Total BTEX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	175	87.6	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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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



Chain of Custody

Work Order No: H031734

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. Marientfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	cmartin@earthstoneenergy.com

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

Project Name:	Daisy Duke 31 State Com	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes					
Project Number:	236727	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush														None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC					
Project Location:	Eddy Co, NM	Due Date:	TAT starts the day received by the lab, if received by 4:30pm		Parameters														HOLD			
Sampler's Name:	Kenny Han				BTX 8021B																	
PO #:					TPH 8015M (GRO + DRO + MRO)																	
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Chloride 4500																	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	113																			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	-0.6°C																			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	2.5°C																			
Total Containers:	3	Corrected Temperature:	1.9°C																			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont															Sample Comments	
HD-N (0-6")	4/11/2023		X		Grab/	1	X	X	X													
HD-E (0-6")	4/11/2023		X		Grab/	1	X	X	X													
HD-S (0-6")	4/11/2023		X		Grab/	1	X	X	X													

Additional Comments: Billing Code: EARTHSTONE

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	4-12-23 1235			



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

April 18, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 04/12/23 12:35.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/12/2023
 Reported: 04/18/2023
 Project Name: DAISY DUKE 31 STATE COM
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 04/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: VD - 1 (0-7.5') (H231735-01)

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2023	ND	1.77	88.3	2.00	6.23	
Toluene*	<0.050	0.050	04/15/2023	ND	1.85	92.3	2.00	7.31	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.93	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.23	104	6.00	6.43	
Total BTEX	<0.300	0.300	04/15/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/17/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	175	87.6	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 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: 04/12/2023
 Reported: 04/18/2023
 Project Name: DAISY DUKE 31 STATE COM
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 04/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: VD - 1 (8-10') (H231735-02)

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	04/15/2023	ND	1.77	88.3	2.00	6.23		
Toluene*	<0.050	0.050	04/15/2023	ND	1.85	92.3	2.00	7.31		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.93		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.23	104	6.00	6.43		
Total BTX	<0.300	0.300	04/15/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/17/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/15/2023	ND	171	85.3	200	2.39	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	175	87.6	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Work Order No: H231735

Work Order Comments			
Program:	UST/PS <input type="checkbox"/>	PR <input type="checkbox"/>	Brownfile <input type="checkbox"/>
State of Project:			RT <input type="checkbox"/>
Reporting Level:	<input type="checkbox"/> Level <input type="checkbox"/>	PST/U <input type="checkbox"/>	TR <input type="checkbox"/>
Deliverables:	ED <input type="checkbox"/>	ADAP <input type="checkbox"/>	Other: <input type="checkbox"/>

Phone: 432-766-1918

Project Name: Daisy Duke 31 State Cor

Project Number: 236727

Project Location: Eddy Co. NM

Sampler's Name: Kenny Han

Turn Around

☒ Routine
☐ Rush

Pres. Code

Due Date:

TAT starts the day received by the lab, if received by 4:30pm

PO #:

Temp Blank:

Yes ☒ No

Thermometer ID:

113

Wet Ice:

Yes ☒ No

Correction Factor:

-0.6°C

Temperature Reading:

25.5°C

Corrected Temperature:

1.9°C

Received Intact:

Yes ☒ No

Cooler Custody Seals:

Yes ☒ No

Sample Custody Seals:

Yes ☒ No

Total Containers:

2

Sample Identification

Date

Time

Soil

Water

Grab/Comp

of Cont

VD-1 (0-7.5')

4/11/2023

X

Grab/

1

VD-1 (8-10')

4/11/2023

X

Grab/

1

Parameters

BTEX 8021B

TPH 8015M (GRO + DRO + MRO)

Chloride 4500

ANALYSIS REQUEST

Preservative Codes

None: NO

DI Water: H₂O

Cool: Cool

MeOH: Me

HCL: HC

HNO₃: HN

H₂SO₄: H₂

H₃PO₄: HP

NaHSO₄: NABIS

Na₂S₂O₅: NaSO₃

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Additional Comments:

Billing Code: EARTHSTONE

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Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

1

4/12/23 1235

2

2

4

3

6

4

5

Revised Date: 05/01/2020 Rev: 2020

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

June 15, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 04/18/23 13:37.

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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 (3')	H231859-01	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 2 (3')	H231859-02	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 3 (3')	H231859-03	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 4 (3')	H231859-04	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 5 (3')	H231859-05	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 6 (3')	H231859-06	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 7 (3')	H231859-07	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 8 (3')	H231859-08	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 9 (3')	H231859-09	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 10 (3')	H231859-10	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 11 (3')	H231859-11	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 12 (3')	H231859-12	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 13 (6')	H231859-13	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 14 (6')	H231859-14	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 15 (4')	H231859-15	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 16 (3-6')	H231859-16	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 17 (3-6')	H231859-17	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 18 (6')	H231859-18	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 19 (6')	H231859-19	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 20 (8')	H231859-20	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 21 (4')	H231859-21	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 22 (3.5')	H231859-22	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 23 (11')	H231859-23	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 24 (11')	H231859-24	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 25 (11')	H231859-25	Soil	17-Apr-23 00:00	18-Apr-23 13:37
CS - 26 (3-11')	H231859-26	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 1 (0-3')	H231859-27	Soil	17-Apr-23 00:00	18-Apr-23 13:37

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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 2 (0-3')	H231859-28	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 3 (0-3')	H231859-29	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 4 (0-3')	H231859-30	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 5 (0-3')	H231859-31	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 6 (0-3')	H231859-32	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 7 (3-6')	H231859-33	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 8 (3-6')	H231859-34	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 9 (4-6')	H231859-35	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 10 (3-4')	H231859-36	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 11 (4-10')	H231859-37	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 12 (4-11')	H231859-38	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 13 (3.5-4')	H231859-39	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 14 (3-4')	H231859-40	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 15 (0-6')	H231859-41	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 16 (4-6')	H231859-42	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 17 (6-11')	H231859-43	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 18 (6-11')	H231859-44	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 19 (4-6')	H231859-45	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 20 (6-8')	H231859-46	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 21 (4-8')	H231859-47	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 22 (0-4')	H231859-48	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 23 (4-11')	H231859-49	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 24 (4-11')	H231859-50	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 25 (0-11')	H231859-51	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 26 (3-11')	H231859-52	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 27 (3-10')	H231859-53	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 28 (3-5')	H231859-54	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 29 (3-8')	H231859-55	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 30 (0-6')	H231859-56	Soil	17-Apr-23 00:00	18-Apr-23 13:37
SW - 31 (0-8')	H231859-57	Soil	17-Apr-23 00:00	18-Apr-23 13:37

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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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 32 (3-11')

H231859-58

Soil

18-Apr-23 00:00

18-Apr-23 13:37

06/15/23 - Client requested sample ID changes (see COC). This the revised report and will replace the one sent on 04/24/23.

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A handwritten signature in cursive script, reading "Celey D. Keene".

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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 1 (3')
H231859-01 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	23.3		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 93.7 % 48.2-134 3041938 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148 3041938 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 2 (3')
H231859-02 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		3041944	JH	20-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctane			98.0 %	48.2-134		3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			97.8 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 3 (3')
H231859-03 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			99.4 %	48.2-134		3041938	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			98.7 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 4 (3')
H231859-04 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		3041944	JH	20-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctane			93.9 %	48.2-134		3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			95.0 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 5 (3')
H231859-05 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		3041944	JH	20-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	21.6		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctane			89.7 %	48.2-134		3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			91.7 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 6 (3')
H231859-06 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	13.2		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			91.5 %	48.2-134		3041938	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.1 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 7 (3')
H231859-07 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			94.8 %		48.2-134	3041938	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			96.1 %		49.1-148	3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 8 (3')
H231859-08 (Soil)

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

Chloride	64.0		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	33.5		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			96.3 %	48.2-134		3041938	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 9 (3')
H231859-09 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %		71.5-134	3041944	JH	20-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctane			91.2 %		48.2-134	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			92.2 %		49.1-148	3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 10 (3')
H231859-10 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	14.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 94.6 % 48.2-134 3041938 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148 3041938 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 11 (3')
H231859-11 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.9 %	48.2-134		3041938	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.6 %	49.1-148		3041938	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 12 (3')
H231859-12 (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	3042031	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	39.4		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 89.6 % 48.2-134 3041938 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148 3041938 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 13 (6')
H231859-13 (Soil)

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

Chloride	576		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
DRO >C10-C28*	14.2		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041938	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 87.9 % 48.2-134 3041938 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148 3041938 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 14 (6')
H231859-14 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			119 %	71.5-134		3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.9 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 15 (4')
H231859-15 (Soil)

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

Chloride	64.0		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 92.9 % 48.2-134 3041939 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 102 % 49.1-148 3041939 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 16 (3-6')**H231859-16 (Soil)**

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

Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	194		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	31.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			97.7 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			110 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 17 (3-6')**H231859-17 (Soil)**

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

Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			116 %		71.5-134	3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	14.9		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			91.1 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.2 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 18 (6')
H231859-18 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 3041944 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 91.7 % 48.2-134 3041939 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148 3041939 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 19 (6')
H231859-19 (Soil)

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

Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	3041944	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			86.6 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.9 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 20 (8')
H231859-20 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3041945 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 98.5 % 48.2-134 3041939 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 105 % 49.1-148 3041939 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 21 (4')
H231859-21 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134 3041945 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 85.3 % 48.2-134 3041939 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148 3041939 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 22 (3.5')**H231859-22 (Soil)**

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

Chloride	320		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			100 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 23 (11')
H231859-23 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			96.6 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 24 (11')
H231859-24 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3041945	JH	20-Apr-23	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctane			86.1 %	48.2-134		3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			92.4 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 25 (11')**H231859-25 (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	3042011	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			91.8 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

CS - 26 (3-11')**H231859-26 (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	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3041945	JH	20-Apr-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B

Surrogate: 1-Chlorooctane	90.8 %	48.2-134	3041939	MS	20-Apr-23	8015B
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Surrogate: 1-Chlorooctadecane	101 %	49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 1 (0-3')
H231859-27 (Soil)

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

Chloride	320		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		71.5-134	3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			85.0 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			92.9 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 2 (0-3')
H231859-28 (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	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			87.4 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			95.6 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 3 (0-3')
H231859-29 (Soil)

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

Chloride	336		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			97.0 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			106 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 4 (0-3')
H231859-30 (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	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 3041945 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 101 % 48.2-134 3041939 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 3041939 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 5 (0-3')
H231859-31 (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	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			95.0 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 6 (0-3')
H231859-32 (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	3042014	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	96.8		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	10.4		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			78.9 %	48.2-134		3041939	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			80.1 %	49.1-148		3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 7 (3-6')
H231859-33 (Soil)

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

Chloride	400		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041939	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			93.7 %		48.2-134	3041939	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.3 %		49.1-148	3041939	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 8 (3-6')
H231859-34 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			80.4 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			100 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 9 (4-6')
H231859-35 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			86.0 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 10 (3-4')**H231859-36 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			83.1 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 11 (4-10')**H231859-37 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	18.8		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			86.9 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			115 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 12 (4-11')**H231859-38 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041945	JH	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	104		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			88.3 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 13 (3.5-4')**H231859-39 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 3041945 JH 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 86.0 % 48.2-134 3041940 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 108 % 49.1-148 3041940 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 14 (3-4')**H231859-40 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	QR-03
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	QR-03
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	QR-03
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	QR-03
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 3041942 JH/ 20-Apr-23 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	19.8		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane 87.1 % 48.2-134 3041940 MS 20-Apr-23 8015B

Surrogate: 1-Chlorooctadecane 110 % 49.1-148 3041940 MS 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 15 (0-6')**H231859-41 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>			82.2 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.2 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 16 (4-6")**H231859-42 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			79.7 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			102 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 17 (6-11')**H231859-43 (Soil)**

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

Chloride	320		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %		71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			79.6 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			99.8 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 18 (6-11')**H231859-44 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	30.8		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			82.6 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 19 (4-6')**H231859-45 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			81.8 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 20 (6-8")**H231859-46 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			89.5 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 21 (4-8")**H231859-47 (Soil)**

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

Chloride	640		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			84.5 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 22 (0-4')**H231859-48 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			92.5 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 23 (4-11')**H231859-49 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			87.1 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			111 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 24 (4-11')**H231859-50 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			82.3 %	48.2-134		3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 25 (0-11')**H231859-51 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane			87.3 %		48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %		49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 26 (3-11')**H231859-52 (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	3042044	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3041942	JH/	20-Apr-23	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B

Surrogate: 1-Chlorooctane	78.5 %	48.2-134	3041940	MS	20-Apr-23	8015B
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Surrogate: 1-Chlorooctadecane	100 %	49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 27 (3-10')**H231859-53 (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	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041940	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane	83.2 %	48.2-134	3041940	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane	108 %	49.1-148	3041940	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 28 (3-5')**H231859-54 (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	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041941	MS	20-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041941	MS	20-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041941	MS	20-Apr-23	8015B	

Surrogate: 1-Chlorooctane	88.2 %	48.2-134	3041941	MS	20-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane	111 %	49.1-148	3041941	MS	20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 29 (3-8")**H231859-55 (Soil)**

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

Chloride	384		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	

Surrogate: 1-Chlorooctane	73.0 %	48.2-134	3041941	MS	21-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane	90.4 %	49.1-148	3041941	MS	21-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 30 (0-6')**H231859-56 (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	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	

Surrogate: 1-Chlorooctane			81.1 %	48.2-134		3041941	MS	21-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			104 %	49.1-148		3041941	MS	21-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 31 (0-8")**H231859-57 (Soil)**

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

Chloride	336		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	

Surrogate: 1-Chlorooctane	90.0 %	48.2-134	3041941	MS	21-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane	115 %	49.1-148	3041941	MS	21-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

SW - 32 (3-11')**H231859-58 (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	3042032	GM	20-Apr-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3041942	JH/	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041942	JH/	20-Apr-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		3041942	JH/	20-Apr-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3041941	MS	21-Apr-23	8015B	

Surrogate: 1-Chlorooctane			94.8 %	48.2-134		3041941	MS	21-Apr-23	8015B	
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Surrogate: 1-Chlorooctadecane			121 %	49.1-148		3041941	MS	21-Apr-23	8015B	
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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3042011 - 1:4 DI Water**Blank (3042011-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3042011-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3042011-BSD1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	0.00	20
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Batch 3042014 - 1:4 DI Water**Blank (3042014-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3042014-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (3042014-BSD1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 3042031 - 1:4 DI Water**Blank (3042031-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3042031-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	400	16.0	mg/kg	400	100	80-120
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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3042031 - 1:4 DI Water**LCS Dup (3042031-BSD1)**

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	7.69	20
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Batch 3042032 - 1:4 DI Water**Blank (3042032-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3042032-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	416	16.0	mg/kg	400	104	80-120
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LCS Dup (3042032-BSD1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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Batch 3042044 - 1:4 DI Water**Blank (3042044-BLK1)**

Prepared & Analyzed: 20-Apr-23

Chloride	ND	16.0	mg/kg
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LCS (3042044-BS1)

Prepared & Analyzed: 20-Apr-23

Chloride	432	16.0	mg/kg	400	108	80-120
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LCS Dup (3042044-BSD1)

Prepared & Analyzed: 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3041942 - Volatiles**Blank (3041942-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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)	0.0503		mg/kg	0.0500		101	71.5-134			

LCS (3041942-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	2.04	0.050	mg/kg	2.00		102	81.4-118			
Toluene	2.20	0.050	mg/kg	2.00		110	88.7-121			
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	86.1-120			
m,p-Xylene	4.60	0.100	mg/kg	4.00		115	88.2-124			
o-Xylene	2.15	0.050	mg/kg	2.00		108	84.9-118			
Total Xylenes	6.75	0.150	mg/kg	6.00		112	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			

LCS Dup (3041942-BSD1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	1.91	0.050	mg/kg	2.00		95.4	81.4-118	6.54	15.8	
Toluene	2.04	0.050	mg/kg	2.00		102	88.7-121	7.52	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	86.1-120	6.57	16	
m,p-Xylene	4.30	0.100	mg/kg	4.00		107	88.2-124	6.75	16.2	
o-Xylene	2.06	0.050	mg/kg	2.00		103	84.9-118	4.07	16.7	
Total Xylenes	6.36	0.150	mg/kg	6.00		106	87.3-122	5.89	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

Batch 3041944 - Volatiles**Blank (3041944-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3041944 - Volatiles**Blank (3041944-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			

LCS (3041944-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	1.81	0.050	mg/kg	2.00		90.3	81.4-118			
Toluene	1.87	0.050	mg/kg	2.00		93.7	88.7-121			
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	86.1-120			
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	88.2-124			
o-Xylene	2.13	0.050	mg/kg	2.00		106	84.9-118			
Total Xylenes	6.27	0.150	mg/kg	6.00		104	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0535		mg/kg	0.0500		107	71.5-134			

LCS Dup (3041944-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	1.81	0.050	mg/kg	2.00		90.6	81.4-118	0.345	15.8	
Toluene	1.88	0.050	mg/kg	2.00		94.2	88.7-121	0.577	15.9	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	86.1-120	1.85	16	
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	88.2-124	2.52	16.2	
o-Xylene	2.17	0.050	mg/kg	2.00		109	84.9-118	2.20	16.7	
Total Xylenes	6.42	0.150	mg/kg	6.00		107	87.3-122	2.41	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	71.5-134			

Batch 3041945 - Volatiles**Blank (3041945-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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)	0.0519		mg/kg	0.0500		104	71.5-134			

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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3041945 - Volatiles**LCS (3041945-BS1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	2.00	0.050	mg/kg	2.00		100	81.4-118		
Toluene	2.09	0.050	mg/kg	2.00		104	88.7-121		
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	86.1-120		
m,p-Xylene	4.50	0.100	mg/kg	4.00		113	88.2-124		
o-Xylene	2.18	0.050	mg/kg	2.00		109	84.9-118		
Total Xylenes	6.69	0.150	mg/kg	6.00		111	87.3-122		
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134		

LCS Dup (3041945-BSD1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

Benzene	1.67	0.050	mg/kg	2.00		83.5	81.4-118	18.0	15.8	QR-04
Toluene	1.76	0.050	mg/kg	2.00		87.8	88.7-121	17.4	15.9	BS-3, QR-04
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.5	86.1-120	17.7	16	QR-04
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.4	88.2-124	16.6	16.2	QR-04
o-Xylene	1.87	0.050	mg/kg	2.00		93.5	84.9-118	15.4	16.7	
Total Xylenes	5.68	0.150	mg/kg	6.00		94.7	87.3-122	16.2	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041938 - General Prep - Organics**Blank (3041938-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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	36.6		mg/kg	49.6		73.8	48.2-134		
Surrogate: 1-Chlorooctadecane	34.9		mg/kg	50.0		69.7	49.1-148		

LCS (3041938-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	166	10.0	mg/kg	200		82.8	78.5-124		
DRO >C10-C28	160	10.0	mg/kg	200		80.1	72.5-126		
Total TPH C6-C28	326	10.0	mg/kg	400		81.4	77.6-123		
Surrogate: 1-Chlorooctane	42.3		mg/kg	49.6		85.4	48.2-134		
Surrogate: 1-Chlorooctadecane	37.2		mg/kg	50.0		74.4	49.1-148		

LCS Dup (3041938-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	166	10.0	mg/kg	200		83.0	78.5-124	0.285	17.7
DRO >C10-C28	163	10.0	mg/kg	200		81.4	72.5-126	1.65	21
Total TPH C6-C28	329	10.0	mg/kg	400		82.2	77.6-123	0.958	18.5
Surrogate: 1-Chlorooctane	41.2		mg/kg	49.6		83.1	48.2-134		
Surrogate: 1-Chlorooctadecane	35.6		mg/kg	50.0		71.1	49.1-148		

Batch 3041939 - General Prep - Organics**Blank (3041939-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	37.7		mg/kg	49.6		76.0	48.2-134		
Surrogate: 1-Chlorooctadecane	40.7		mg/kg	50.0		81.4	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 3041939 - General Prep - Organics**LCS (3041939-BS1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	180	10.0	mg/kg	200		90.0	78.5-124		
DRO >C10-C28	171	10.0	mg/kg	200		85.3	72.5-126		
Total TPH C6-C28	351	10.0	mg/kg	400		87.6	77.6-123		
Surrogate: 1-Chlorooctane	43.4		mg/kg	49.6		87.6	48.2-134		
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.7	49.1-148		

LCS Dup (3041939-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	178	10.0	mg/kg	200		89.0	78.5-124	1.10	17.7
DRO >C10-C28	168	10.0	mg/kg	200		84.0	72.5-126	1.50	21
Total TPH C6-C28	346	10.0	mg/kg	400		86.5	77.6-123	1.29	18.5
Surrogate: 1-Chlorooctane	42.1		mg/kg	49.6		85.1	48.2-134		
Surrogate: 1-Chlorooctadecane	44.2		mg/kg	50.0		88.3	49.1-148		

Batch 3041940 - General Prep - Organics**Blank (3041940-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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	35.2		mg/kg	49.6		71.1	48.2-134		
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.7	49.1-148		

LCS (3041940-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	158	10.0	mg/kg	200		79.0	78.5-124		
DRO >C10-C28	170	10.0	mg/kg	200		84.9	72.5-126		
Total TPH C6-C28	328	10.0	mg/kg	400		81.9	77.6-123		
Surrogate: 1-Chlorooctane	42.1		mg/kg	49.6		84.9	48.2-134		
Surrogate: 1-Chlorooctadecane	50.1		mg/kg	50.0		100	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: DAISY DUKE 31 STATE COM
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
15-Jun-23 09:16

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 3041940 - General Prep - Organics**LCS Dup (3041940-BSD1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	159	10.0	mg/kg	200		79.6	78.5-124	0.744	17.7	
DRO >C10-C28	172	10.0	mg/kg	200		85.9	72.5-126	1.15	21	
Total TPH C6-C28	331	10.0	mg/kg	400		82.7	77.6-123	0.954	18.5	
Surrogate: 1-Chlorooctane	40.3		mg/kg	49.6		81.3	48.2-134			
Surrogate: 1-Chlorooctadecane	46.0		mg/kg	50.0		92.0	49.1-148			

Batch 3041941 - General Prep - Organics**Blank (3041941-BLK1)**

Prepared: 19-Apr-23 Analyzed: 20-Apr-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	43.8		mg/kg	49.6		88.5	48.2-134			
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	49.1-148			

LCS (3041941-BS1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	200	10.0	mg/kg	200		99.9	78.5-124			
DRO >C10-C28	209	10.0	mg/kg	200		104	72.5-126			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.6-123			
Surrogate: 1-Chlorooctane	51.6		mg/kg	49.6		104	48.2-134			
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	49.1-148			

LCS Dup (3041941-BSD1)

Prepared: 19-Apr-23 Analyzed: 20-Apr-23

GRO C6-C10	192	10.0	mg/kg	200		96.0	78.5-124	4.04	17.7	
DRO >C10-C28	215	10.0	mg/kg	200		108	72.5-126	2.87	21	
Total TPH C6-C28	407	10.0	mg/kg	400		102	77.6-123	0.447	18.5	
Surrogate: 1-Chlorooctane	50.4		mg/kg	49.6		102	48.2-134			
Surrogate: 1-Chlorooctadecane	59.8		mg/kg	50.0		120	49.1-148			

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1231859Page 1 of 6

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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. Marienfeld, 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"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO		DI Water: H ₂ O		
Project Location:	Eddy Co, NM		Due Date:																				Cool: Cool		MeOH: Me		
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC		HNO ₃ : HN		
PO #:					H ₂ SO ₄ : H ₂																		NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HOLD NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																Sample Comments			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	113																							
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.02																							
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	4.12																							
Total Containers:	57	68	Corrected Temperature:	3.52																							
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-1 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-2 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-3 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-4 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-5 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-6 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-7 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-8 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-9 (3')	4/17/2023		x		Comp	1	x	x	x																		
CS-10 (3')	4/17/2023		x		Comp	1	x	x	x																		

Additional Comments: Billing Code: EARTHSTONE

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<i>[Signature]</i>	<i>[Signature]</i>	4/18/23 1331			



Chain of Custody

Work Order No: H23859Page 2 of 6

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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. Marienfeld, 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"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:		Daisy Duke 31 State Com #003H		Turn Around				ANALYSIS REQUEST												Preservative Codes					
Project Number:		236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code														None: NO DI Water: H ₂ O					
Project Location		Eddy Co, NM		Due Date:																Cool: Cool MeOH: Me					
Sampler's Name:		Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN					
PO #:																				H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Parameters														H ₃ PO ₄ : HP	
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113		BTEX 8021B														NaHSO ₄ : NABIS			
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Correction Factor:		-0.46		TPH 8015M (GRO + DRO + MRO)														Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		Temperature Reading:		4.12		Chloride 4500														Zn Acetate+NaOH: Zn			
Total Containers:		5/5/4		Corrected Temperature:		3.52														NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments					
CS-11 (3')		4/17/2023		x		Comp	1	x	x	x															
CS-12 (3')		4/17/2023		x		Comp	1	x	x	x															
CS-13 (6')		4/17/2023		x		Comp	1	x	x	x															
CS-14 (6')		4/17/2023		x		Comp	1	x	x	x															
CS-15 (4')		4/17/2023		x		Comp	1	x	x	x															
CS-16 (3-6')		4/17/2023		x		Comp	1	x	x	x															
CS-17 (3-6')		4/17/2023		x		Comp	1	x	x	x															
CS-18 (6')		4/17/2023		x		Comp	1	x	x	x															
CS-19 (6')		4/17/2023		x		Comp	1	x	x	x															
CS-20 (8')		4/17/2023		x		Comp	1	x	x	x															

Additional Comments: Billing Code: EARTHSTONE

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1 <i>[Signature]</i>	<i>[Signature]</i>	4/18/23 1337	2		
3			4		
5			6		



Chain of Custody

Work Order No: 11231859Page 3 of 6

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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. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	<u>cmartin@earthstoneenergy.com</u>

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

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code		ANALYSIS REQUEST										Preservative Codes						
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Due Date:												None: NO DI Water: H ₂ O						
Project Location	Eddy Co, NM		TAT starts the day received by the lab, if received by 4:30pm														Cool: Cool MeOH: Me						
Sampler's Name:	Kenny Han																HCL: HC HNO ₃ : HN						
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na						
SAMPLE RECEIPT			Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD											H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:											NaHSO ₄ : NABIS										
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:											Na ₂ S ₂ O ₃ : NaSO ₃										
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:											Zn Acetate+NaOH: Zn										
Total Containers:	58 kh	Corrected Temperature:											NaOH+Ascorbic Acid: SAPC										
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments						
CS-21 (4')	4/17/2023		x		Comp	1	x	x	x														
CS-22 (3.5')	4/17/2023		x		Comp	1	x	x	x														
CS-23 (11')	4/17/2023		x		Comp	1	x	x	x														
CS-24 (11')	4/17/2023		x		Comp	1	x	x	x														
CS-25 (11')	4/17/2023		x		Comp	1	x	x	x														
CS-26 (3-11')	4/17/2023		x		Comp	1	x	x	x														
SW-1 (0-3')	4/17/2023		x		Comp	1	x	x	x														
SW-2 (0-3')	4/17/2023		x		Comp	1	x	x	x														
SW-3 (0-3')	4/17/2023		x		Comp	1	x	x	x														
SW-4 (0-3')	4/17/2023		x		Comp	1	x	x	x														

Additional Comments: Billing Code: EARTHSTONE

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/18/23 1331			



Chain of Custody

Work Order No: 1231859Page 4 of 6

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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. Marienfeld, 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"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaP <input type="checkbox"/> Other:	

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500												None: NO		DI Water: H ₂ O	
Project Location:	Eddy Co, NM		Due Date:																Cool: Cool		MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC		HNO ₃ : HN	
PO #:					H ₂ SO ₄ : H ₂														NaOH: Na			
SAMPLE RECEIPT				Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	HOLD												H ₃ PO ₄ : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	13	NaHSO ₄ : NABIS																	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.02	Na ₂ S ₂ O ₃ : NaSO ₃																	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	4.1	Zn Acetate+NaOH: Zn																	
Total Containers:	51 58 RH		Corrected Temperature:	3.52													NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments			
SW-5 (0-3')	4/17/2023		x		Comp	1	x	x	x													
SW-6 (0-3')	4/17/2023		x		Comp	1	x	x	x													
SW-7 (3-6')	4/17/2023		x		Comp	1	x	x	x													
SW-8 (3-6')	4/17/2023		x		Comp	1	x	x	x													
SW-9 (4-6')	4/17/2023		x		Comp	1	x	x	x													
SW-10 (3-4')	4/17/2023		x		Comp	1	x	x	x													
SW-11 (4-10')	4/17/2023		x		Comp	1	x	x	x													
SW-12 (4-12') *	4/17/2023		x		Comp	1	x	x	x													
SW-13 (3.5-4')	4/17/2023		x		Comp	1	x	x	x													
SW-14 (3-4')	4/17/2023		x		Comp	1	x	x	x													

Additional Comments: Billing Code: EARTHSTONE

* Customer requested ID changes. To 6/14/23

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<i>[Signature]</i>	<i>[Signature]</i>	4/18/23 1337			



Chain of Custody

Work Order No: 14231859Page 6 of 6

Page 77 of 77

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. Marienfeld, Suite 1000
City, State ZIP:	Midland TX, 79701	City, State ZIP:	Midland TX, 79701
Phone:	432-766-1918	Email:	<u>cmartin@earthstoneenergy.com</u>

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

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes		
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O	
Project Location	Eddy Co, NM		Due Date:																				Cool: Cool MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN	
PO #:					H ₂ SO ₄ : H ₂ NaOH: Na																			
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HOLD H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	113																				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.02																				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	4.12																				
Total Containers:	57 58 KH		Corrected Temperature:	3.52																				
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
SW-25 (0-11')	4/17/2023		x		Comp	1	x	x	x															
SW-26 (0-11')	4/17/2023		x		Comp	1	x	x	x															
SW-27 (3-10')	4/17/2023		x		Comp	1	x	x	x															
SW-28 (3-5')	4/17/2023		x		Comp	1	x	x	x															
SW-29 (3-8')	4/17/2023		x		Comp	1	x	x	x															
SW-30 (0-6')	4/17/2023		x		Comp	1	x	x	x															
SW-31 (0-8')	4/17/2023		x		Comp	1	x	x	x															
SW-32 (3-11')	4/18/23		x		Comp	1	x	x	x															

Additional Comments: Billing Code: EARTHSTONE

* Customer requested ID changes to 4/14/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/18/23 1337			

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

June 07, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM #003H

Enclosed are the results of analyses for samples received by the laboratory on 05/08/23 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/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: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 4A (0-3')	H232269-01	Soil	08-May-23 00:00	08-May-23 15:05
SW - 12A (4-11')	H232269-02	Soil	08-May-23 00:00	08-May-23 15:05
CS - 16A (3-6')	H232269-03	Soil	08-May-23 00:00	08-May-23 15:05
CS - 21A (8')	H232269-04	Soil	08-May-23 00:00	08-May-23 15:05

05/25/23 - Client changed the sample ID on -04 (see COC). This is the revised report and will replace the one sent on 05/11/23.

06/07/23 - Client changed the sample ID on -02 (see COC). This is the 2nd revision of the report and will replace the one sent 05/25/23.

Cardinal Laboratories

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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: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

SW - 4A (0-3')**H232269-01 (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	3050930	AC	09-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3050911	JH/	10-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		101 %		71.5-134	3050911	JH/	10-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3050907	MS	09-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3050907	MS	09-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3050907	MS	09-May-23	8015B	

Surrogate: 1-Chlorooctane		71.8 %		48.2-134	3050907	MS	09-May-23	8015B	
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Surrogate: 1-Chlorooctadecane		71.8 %		49.1-148	3050907	MS	09-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM #0031
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

SW - 12A (4-11')**H232269-02 (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	3050930	AC	09-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3050911	JH/	10-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		3050911	JH/	10-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3050907	MS	09-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3050907	MS	09-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3050907	MS	09-May-23	8015B	

Surrogate: 1-Chlorooctane			57.8 %	48.2-134		3050907	MS	09-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			52.0 %	49.1-148		3050907	MS	09-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

CS - 16A (3-6')**H232269-03 (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	3050930	AC	09-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3050911	JH/	10-May-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	3050911	JH/	10-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	3050907	MS	10-May-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3050907	MS	10-May-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3050907	MS	10-May-23	8015B	

Surrogate: 1-Chlorooctane			83.1 %		48.2-134	3050907	MS	10-May-23	8015B	
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Surrogate: 1-Chlorooctadecane			91.3 %		49.1-148	3050907	MS	10-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

CS - 21A (8')
H232269-04 (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	3050930	AC	09-May-23	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3050911	JH/	10-May-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3050911	JH/	10-May-23	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		102 %		71.5-134	3050911	JH/	10-May-23	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	3050907	MS	10-May-23	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3050907	MS	10-May-23	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3050907	MS	10-May-23	8015B	

<i>Surrogate: 1-Chlorooctane</i>		83.6 %		48.2-134	3050907	MS	10-May-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		85.3 %		49.1-148	3050907	MS	10-May-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 3050930 - 1:4 DI Water									
Blank (3050930-BLK1)				Prepared & Analyzed: 09-May-23					
Chloride	ND	16.0	mg/kg						
LCS (3050930-BS1)				Prepared & Analyzed: 09-May-23					
Chloride	400	16.0	mg/kg	400		100	80-120		
LCS Dup (3050930-BSD1)				Prepared & Analyzed: 09-May-23					
Chloride	400	16.0	mg/kg	400		100	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: DAISY DUKE 31 STATE COM #003I
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

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 3050911 - Volatiles**Blank (3050911-BLK1)**

Prepared: 09-May-23 Analyzed: 10-May-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0530		mg/kg	0.0500		106	71.5-134			

LCS (3050911-BS1)

Prepared: 09-May-23 Analyzed: 10-May-23

Benzene	2.02	0.050	mg/kg	2.00		101	81.4-118			
Toluene	2.06	0.050	mg/kg	2.00		103	88.7-121			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	86.1-120			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	88.2-124			
o-Xylene	2.07	0.050	mg/kg	2.00		103	84.9-118			
Total Xylenes	6.36	0.150	mg/kg	6.00		106	87.3-122			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

LCS Dup (3050911-BSD1)

Prepared: 09-May-23 Analyzed: 10-May-23

Benzene	2.11	0.050	mg/kg	2.00		106	81.4-118	4.22	15.8	
Toluene	2.19	0.050	mg/kg	2.00		109	88.7-121	6.14	15.9	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	86.1-120	2.09	16	
m,p-Xylene	4.36	0.100	mg/kg	4.00		109	88.2-124	1.51	16.2	
o-Xylene	2.08	0.050	mg/kg	2.00		104	84.9-118	0.556	16.7	
Total Xylenes	6.43	0.150	mg/kg	6.00		107	87.3-122	1.20	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	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: DAISY DUKE 31 STATE COM #0031
Project Number: 236727
Project Manager: BECKY HASKELL
Fax To:

Reported:
07-Jun-23 17:19

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 3050907 - General Prep - Organics**Blank (3050907-BLK1)**

Prepared & Analyzed: 09-May-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.8		mg/kg	49.6		90.4	48.2-134			
Surrogate: 1-Chlorooctadecane	53.0		mg/kg	50.0		106	49.1-148			

LCS (3050907-BS1)

Prepared & Analyzed: 09-May-23

GRO C6-C10	188	10.0	mg/kg	200		93.9	78.5-124			
DRO >C10-C28	209	10.0	mg/kg	200		105	72.5-126			
Total TPH C6-C28	397	10.0	mg/kg	400		99.2	77.6-123			
Surrogate: 1-Chlorooctane	48.3		mg/kg	49.6		97.5	48.2-134			
Surrogate: 1-Chlorooctadecane	53.1		mg/kg	50.0		106	49.1-148			

LCS Dup (3050907-BS1)

Prepared: 09-May-23 Analyzed: 10-May-23

GRO C6-C10	171	10.0	mg/kg	200		85.7	78.5-124	9.20	17.7	
DRO >C10-C28	192	10.0	mg/kg	200		95.9	72.5-126	8.64	21	
Total TPH C6-C28	363	10.0	mg/kg	400		90.8	77.6-123	8.91	18.5	
Surrogate: 1-Chlorooctane	45.5		mg/kg	49.6		91.8	48.2-134			
Surrogate: 1-Chlorooctadecane	48.2		mg/kg	50.0		96.4	49.1-148			

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232269

Page 1 of 1

Page 11 of 11

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. Marienfeld, 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"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Super <input type="checkbox"/>
State of Project:	
Reporting:	Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes							
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush													None: NO DI Water: H ₂ O							
Project Location:	Eddy Co, NM		Due Date:													Cool: Cool MeOH: Me							
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm													HCL: HC HNO ₃ : HN							
PO #:																H ₂ SO ₄ : H ₂ NaOH: Na							
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											H ₃ PO ₄ : HP						
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:	113												NaHSO ₄ : NABIS							
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:	-0.6°												Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:	0.5°												Zn Acetate+NaOH: Zn							
Total Containers:	4		Corrected Temperature:	-0.1°												NaOH+Ascorbic Acid: SAPC							
Sample Identification			Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments				
SW-4A (0-3')			5/8/2023		x		Comp	1	x	x	x												
SW-12A (0-12') (4-11')*			5/8/2023		x		Comp	1	x	x	x												
CS-16A (3-6')			5/8/2023		x		Comp	1	x	x	x												
CS-27 (10-21) (8-15)			5/8/2023		x		Comp	1	x	x	x												
*SL 5/24/23																							

Additional Comments:

Billing Code: EARTHSTONE

*customer requested sample ID change. Stokriguey 5/24/23
 *customer requested sample ID change. TO 6/7/23

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5-8-23 1505	2		
3			4		
5			6		

Revised Date 05/01/2020 Rev 2020.1



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

May 22, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM #003H

Enclosed are the results of analyses for samples received by the laboratory on 05/17/23 12:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/17/2023
 Reported: 05/22/2023
 Project Name: DAISY DUKE 31 STATE COM #003H
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY, NM

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

Sample ID: CS - 27 (3') (H232493-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/20/2023	ND	2.17	109	2.00	0.148		
Toluene*	<0.050	0.050	05/20/2023	ND	2.23	111	2.00	0.986		
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.13	106	2.00	0.464		
Total Xylenes*	<0.150	0.150	05/20/2023	ND	6.54	109	6.00	0.248		
Total BTEX	<0.300	0.300	05/20/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	185	92.6	200	6.28	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/17/2023
 Reported: 05/22/2023
 Project Name: DAISY DUKE 31 STATE COM #003H
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY, NM

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

Sample ID: SW - 6A (0-3') (H232493-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2023	ND	2.42	121	2.00	6.00	QM-07
Toluene*	<0.050	0.050	05/20/2023	ND	2.40	120	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/20/2023	ND	2.32	116	2.00	6.32	QM-07
Total Xylenes*	<0.150	0.150	05/20/2023	ND	7.09	118	6.00	7.44	
Total BTX	<0.300	0.300	05/20/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/18/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	185	92.6	200	6.28	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	187	93.6	200	6.63	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232493Page 1 of 1

Page 5 of 5

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds Blvd.	Address:	600 N. Marienfeld, 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"/> Brownfie <input type="checkbox"/> R <input type="checkbox"/> Supe <input type="checkbox"/>	
State of Project:	
Reporting: Level <input type="checkbox"/> Level <input type="checkbox"/> PST/U <input type="checkbox"/> TR <input type="checkbox"/> L <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:	Daisy Duke 31 State Com #003H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO DI Water: H ₂ O				
Project Location:	Eddy Co, NM		Due Date:																				Cool: Cool MeOH: Me				
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC HNO ₃ : HN				
PO #:																						H ₂ SO ₄ : H ₂ NaOH: Na					
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HOLD H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC																Sample Comments				
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	713																								
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:	-0.6°C																								
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	-5.0°C																								
Total Containers:	2	Corrected Temperature:	-5.6°C																								
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont																					
CS-27 (3')	5/16/2023		x		Comp	1	x	x	x																		
SW-6A (0-3')	5/16/2023		x		Comp	1	x	x	x																		

Additional Comments: Billing Code: EARTHSTONE 104 5/17/23

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	5/17/23 8:45	<i>[Signature]</i>	<i>[Signature]</i>	5-17-23 1205



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

June 02, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 13:42.

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: 05/31/2023
 Reported: 06/02/2023
 Project Name: DAISY DUKE 31 STATE COM
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 05/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 22A (0-8') (H232768-01)

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	06/01/2023	ND	2.26	113	2.00	2.51	
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60	
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09	
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10	
Total BTEX	<0.300	0.300	06/01/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/01/2023	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	06/01/2023	ND	161	80.6	200	1.79	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	166	83.1	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232768

Page 1 of 1

Page 4 of 4



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. Marienfeld, 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	PR	Brownfie	R
State of Project:				Sup
Reporting:	Level	Level	PST/U	TR
Deliverables:	EDD	ADaP	Other:	

Project Name:		Daisy Duke 31 State Com		Turn Around		ANALYSIS REQUEST														Preservative Codes															
Project Number:		236727		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																None: NO DI Water: H ₂ O															
Project Location:		Eddy Co, NM		Due Date:																Cool: Cool MeOH: Me															
Sampler's Name:		Jordan Tyner		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO ₃ : HN															
PO #:																				H ₂ S ₂ O ₄ : H ₂ NaOH: Na															
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																H ₃ PO ₄ : HP											
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		113																NaHSO ₄ : NABIS													
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.6°C																Na ₂ S ₂ O ₃ : NaSO ₃													
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		4.2°C																Zn Acetate+NaOH: Zn													
Total Containers:		3		Corrected Temperature:		3.6°C																NaOH+Ascorbic Acid: SAPC													
Sample Identification		Date		Time		Soil		Water		Grab/Comp		# of Cont																Sample Comments							
SW-22A (0-8")		5/24/2023				x				Comp		1		x		x		x																1	

Additional Comments:	Billing Code: EARTHSTONE
----------------------	--------------------------

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

Relinquished by: (Signature)		Received by: (Signature)		Date/Time	Relinquished by: (Signature)		Received by: (Signature)		Date/Time
1				5-31-23 1342	2				
3					4				
5					6				

Revised Date 05/12/2020 Rev. 2020.1



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

June 02, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: DAISY DUKE 31 STATE COM

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 13:42.

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: 05/31/2023
 Reported: 06/02/2023
 Project Name: DAISY DUKE 31 STATE COM
 Project Number: 236727
 Project Location: EARTHSTONE - EDDY COUNTY NM

Sampling Date: 05/24/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 23A (8-11') (H232769-01)

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	06/01/2023	ND	2.26	113	2.00	2.51		
Toluene*	<0.050	0.050	06/01/2023	ND	2.25	113	2.00	2.60		
Ethylbenzene*	<0.050	0.050	06/01/2023	ND	2.21	110	2.00	3.09		
Total Xylenes*	<0.150	0.150	06/01/2023	ND	6.75	113	6.00	2.10		
Total BTEX	<0.300	0.300	06/01/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/01/2023	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	06/01/2023	ND	161	80.6	200	1.79	
DRO >C10-C28*	<10.0	10.0	06/01/2023	ND	166	83.1	200	1.79	
EXT DRO >C28-C36	<10.0	10.0	06/01/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 71022101

Page 1 of 1

Page 4 of 4

[illegible]

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 281373

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 281373
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. A reclamation report will need to be submitted when the area is no longer reasonably needed for production or subsequent drilling activities.	3/18/2024
bhall	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.	3/18/2024
bhall	A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete and meet the requirements of 19.15.29.13 NMAC.	3/18/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/18/2024
bhall	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/18/2024