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 32.3464088

Longitude <u>-104.3243713</u> (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
Ι	31	22S	26E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____

Nature and Volume of Release

Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Yes No Condensate Volume Released (bbls) Volume Recovered (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
produced water >10,000 mg/l? Volume Released (bbls) Condensate Volume Released (bbls) Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)	Produced Water	Volume Released (bbls): 23	Volume Recovered (bbls): 0
Natural Gas Volume Released (Mcf) Volume Recovered (Mcf)			Yes No
	Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Other (describe)Volume/Weight Released (provide units)Volume/Weight Recovered (provide units)	Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
	Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
ise of Release: The release was due to equipment failure on the dump valve.	Cause of Release: The	release was due to equipment failure on the d	ump valve.

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Incident ID	nAPP2227746276
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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
🗌 Yes 🖾 No	
If YES, was immediate no	otice 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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Senior Project Manager
Signature:	Date:10/25/23
email: <u>bhaskell@ntglobal.com</u>	Telephone: <u>432-766-1918</u>
OCD Only	
Received by: <u>Shelly Wells</u>	Date: <u>10/31/2023</u>

Received by OCD: 10/31/2023 10:44:53 AM Form C-141 State of New Mexico

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Oil Conservation Division

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Incident ID	nAPP2227746276
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Facility ID	
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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?	🗌 Yes 🖂	No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🖂	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)?	🗌 Yes 🖂	No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖂	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?	🗌 Yes 🖂	No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖂	No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖂	No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖂	No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖂	No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖂	No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖂	No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂	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
- \square 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.

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				Incident ID	nAPP2227746276
Page 4	Oil Conservation Division	l		District RP	
				Facility ID	
				Application ID	
regulations all operators a public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: <u>Rebecca</u> Signature:	formation given above is true and complete to the re required to report and/or file certain release no onment. The acceptance of a C-141 report by the sigate and remediate contamination that pose a the of a C-141 report does not relieve the operator of <u>Haskell</u>	otifications and OCD does r reat to groun of responsibility 	nd perform co ot relieve the dwater, surfa ity for compl nior Project 10/25/23	prrective actions for relevant of liability shows a comparator of the shows a	eases which may endanger nould their operations have a or the environment. In ederal, state, or local laws
OCD Only Received by: <u>Shelly W</u>	/ells	I	Date: <u>10/31/</u>	2023	

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Oil Conservation Division

Incident ID	nAPP2227746276
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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: 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 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: _____

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	
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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 32.3464088

(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
Ι	31	22S	26E	Eddy

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Materia	l(s) Released (Select all that apply and attach calculations or specific	justification for the volumes provided below)
Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
Produced Water	Volume Released (bbls): 23	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: The re	elease was due to equipment failure on the dur	np valve.

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
TYes No	
If VES was immediate p	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
IT TES, was initiediate in	site 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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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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?	🗌 Yes 🖂	No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔀	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)?	🗌 Yes 🔀	No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖂] 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?	🗌 Yes 🖂] No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛	No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖂	No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛	No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛	No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖂	No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛	No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂	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
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- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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regulations all operators ar public health or the enviro failed to adequately invest	Formation given above is true and complete to the required to report and/or file certain release no nment. The acceptance of a C-141 report by the igate and remediate contamination that pose a the of a C-141 report does not relieve the operator of Haskell	otifications and OCD does no reat to ground of responsibili	d perform co ot relieve the water, surfact ty for compl	prective actions for rele operator of liability sho ce water, human health iance with any other fee	ases which may endanger ould their operations have or the environment. In
Signature:		Date:	_10/25/23_		
email: <u>bhaskell@ntglob</u>	al.com	Telephor	ne: <u>432-766</u>	i-1918	
OCD Only Received by:		_ Da	ate:		

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Oil Conservation Division

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Incident ID	nAPP2227746276	
District RP		
Facility ID		
Application ID		

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: ___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 Page 2 of 5

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

NTGE Project No.: 236727



Mr. Mike Bratcher October 25, 2023 Page 3 of 5

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.

NTGE Project No.: 236727



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 Sites 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

Rebecca Haskell

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	A: Site Characterization Documentation
Attachment E	3: Confirmation Sampling Notifications
Attachment C	C: Photographic Log
Attachment E	D: Laboratory Analytical Reports and Chain -of-Custody
	Documentation



FIGURES

Received by OCD: 10/31/2023 10:44:53 AM



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





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



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

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

										ТРН			
Sample ID	Sample Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
	• • • • •	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
						Table I Clos	sure Criteria	a for Surface	e to 4 feet belo	w 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 Lin 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 S18. 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).

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	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
	• • • • • •	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
						Table I Clos	ure Criteria	a for Surfact	e to 4 feet belo	w grade 19.15.2	9.13 NMAC		
			10 mg/kg				50 mg/kg			100 mg/kg		100 mg/kg	600 mg/kg
						Bottom	Hole Confi	rmation San	nples				
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
<u>CS-16</u>	04 /17/ 23	(3-0)	<0.05 0	50.05 0	6.05 0	50.150	50.300	-10.0	194	194		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
C111.1	04/17/22	(0.21)	40.050	10.050	40.050			ation Samp		(10.0	-10.0	-10.0	220
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	(0.21)	\$9.05 0	\$0.05 0	6.050	50.150 10.150	50,300	<u>10.0</u>	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 96.0
	04/17/23	(0.21)	20.05 0	<0.050	<0.050	<0.150 <0.150	<0.300	<10.0 <10.0	<10.0	<10.0	<10.0	<10.0	
SW-6A	05/16/23	(0-3')	< 0.050										48.0
SW-7	04/17/23	(3-6')	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	400 416
SW-8	04/17/23	(3-6')		<0.050		<0.150	<0.300	<10.0 <10.0				<10.0	-
SW-9	04/17/23	(4-6')	<0.050		<0.050				<10.0 <10.0	<10.0 <10.0	<10.0 <10.0		80.0 224
SW-10	04/17/23	(3-4')	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0		<10.0 18.8		<10.0	528
SW-11	04/17/23	(4-10')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.8	19.9	<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

								ТРН					
Sample ID	Sample Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10- C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
						Table I Clos	ure Criteria	a for Surfact	e to 4 feet belo	ow grade 19.15.2	9.13 NMAC		
			10 mg/kg				50 mg/kg			100 mg/kg		100 mg/kg	600 mg/kg
SW-12	04 /17/ 23	(4-11)	≤0:05 0	\$0.05 0	≤0.05 0	50.150	50.300	\$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
S₩-2 1	04 /17/2 3	14-81	≤0.05 0	<0.05 0	≤0.05 0	≤0.15 0	50.300	\$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
S W- 22	04/17/23	(0-4)	<0.05 0	<0.05 0	≤0.05 0	5 0,15 0	50.300	\$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
SH-23	04/17/23	(11-1)	< 0.05 0	5 0.05 0	<0.03 0	50,150	50.300	\$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 Lin 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 S/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

•

Received by OCD: 10/31/2023 10:44:53 AM National Flood Hazard Layer FIRMette



Legend

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Basemap Imagery Source: USGS National Map 2023

OCD Site Characterization Map



High

OSW Water Bodys

Pending

0

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

•

Daisy Duke 31 State Com #003H



Riverine

- Fatuaring and Maring Watland
 - Estuarine and Marine Wetland

Freshwater Pond

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

National Wetlands Inventory (NWI) This page was produced by the NWI mapper



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.

JΗ

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





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 <u>Rbaer@ntglobal.com</u>



OCD, EMNRD
<u>) Baer</u>
er, Michael, EMNRD; Hamlet, Robert, EMNRD
(TERNAL] Daisy Duke 31 State Com #003H
ay, May 4, 2023 9:21:34 AM
<u>03.png</u>

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Ricardo,

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JΗ

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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
То:	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,

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 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

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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 <u>Rbaer@ntglobal.com</u>



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Enviro, OCD, EMNRD
Ricardo Baer
Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD
RE: [EXTERNAL] Daisy Duke 31 State Com #003H
Wednesday, May 17, 2023 4:44:34 PM
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.

JΗ

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 <u>Rbaer@ntglobal.com</u>



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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

		East Elevation
Facility:	Daisy Duke State COM #003H	© 278°W (T) © 32.345947,-104.324428 ±6 m ▲ 1012 m
County:	Eddy County, New Mexico	
Description: Area of concern.		

Photograph No. 3

- Daisy Duke State COM #003H Facility:
- County: Eddy County, New Mexico

Description:

Area of concern.







06 Jan 2023, 09:49:44

PHOTOGRAPHIC LOG

Daisy Duke State COM #003H

Photog	raph	No. 4	
1 notog	upii	110. 4	

Facility:	Daisy Duke State COM #003H

Eddy County, New Mexico County:

Description: Area of concern.



Photograph No. 5

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 Da	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

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AI

Sc

Ср Тс Ss Cn Sr Daisy Duck 31 State Com #003H Qc Gl

Entire Report Reviewed By:

Sample Delivery Group:

Samples Received:

Project Number:

Description:

Report To:

Jonifer 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.

January 24, 2023

L1574882

01/11/2023

Chris Martin

Suite 1000

600 N. Marienfeld

Midland, TX 79701

236727

Earthstone Operating, LLC - Midland, TX

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SDG: L1574882

DATE/TIME: 01/24/23 10:38 PAGE: 1 of 44

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Received by OCD: 10/31/2023 10:44:53 AM	SAMPLE S	SUMN	MARY			Page
V-1 (0-1') L1574882-01 Solid			Collected by Rick Pena	Collected date/time 01/06/23 10:30	e Received da 01/11/23 08:3	
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	СМК	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
			Collected by	Collected date/time		
V-1 (1'-2') L1574882-02 Solid			Rick Pena	01/06/23 10:45	01/11/23 08:3	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	СМК	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
			Collected by	Collected date/time	e Received da	ite/time
V-1 (2'-3') L1574882-03 Solid			Rick Pena	01/06/23 11:00	01/11/23 08:3	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	СМК	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
			Collected by	Collected date/time	e Received da	ite/time
V-1(3'-4') L1574882-04 Solid			Rick Pena	01/06/23 11:15	01/11/23 08:3	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	СМК	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
			Collected by	Collected date/time	e Received da	ite/time
V-2 (0-1') L1574882-05 Solid			Rick Pena	01/06/23 11:30	01/11/23 08:3	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	СМК	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
			Collected by	Collected date/time	e Received da	ite/time
V-2 (1'-2') L1574882-06 Solid			Rick Pena	01/06/23 11:45	01/11/23 08:3	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	СМК	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
Somi Valatila Organic Compounds (CC) by Mathad 201EM	WC1007222	1	01/12/22 05-50	01/12/22 16:0E	140	Mt Juliot TN

Volatile Organic Compounds (GC) by Method 8015/8021 Semi-Volatile Organic Compounds (GC) by Method 8015M

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WG1987222

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DATE/TIME: 01/24/23 10:38

01/12/23 16:05

Mt. Juliet, TN

JAS

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SDG:

L1574882

Received by OCD: 10/31/2023 10:44:53 AM	SAMPLES	SUMN	/IAR Y			Page
V-2 (2'-3') L1574882-07 Solid			Collected by Rick Pena	Collected date/time 01/06/23 12:00	Received da 01/11/23 08:3	
Aethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Fotal Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	СМК	Mt. Juliet, TN
Net 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
			Collected by	Collected date/time	Received da	te/time
V-2 (3'-4') L1574882-08 Solid			Rick Pena	01/06/23 12:15	01/11/23 08:3	80
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	СМК	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
			Collected by	Collected date/time	Received da	
V-3 (0-1') L1574882-09 Solid			Rick Pena	01/06/23 12:30	01/11/23 08:3	80
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	СМК	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 da 01/11/23 08:3	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time	,	
Total Solids by Method 2540 G-2011	WG1987295	1	01/12/23 15:28	01/12/23 15:52	СМК	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
			Collected by	Collected date/time	Received da	te/time
V-3 (2'-3') L1574882-11 Solid			Rick Pena	01/06/23 13:00	01/11/23 08:3	80
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	СМК	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
		100	01/11/23 17:32	01/16/23 23:08	DWR	Mt. Juliet, TN
	WG1989374			01/18/23 01:56	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1989374 WG1989841	500	01/11/23 17:32	01/10/23 01:30		
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021		500 50	01/11/23 17:32 01/12/23 06:01	01/13/23 13:11	JAS	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021	WG1989841		01/12/23 06:01 Collected by	01/13/23 13:11 Collected date/time	JAS Received da	te/time
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid	WG1989841 WG1987223	50	01/12/23 06:01 Collected by Rick Pena	01/13/23 13:11 Collected date/time 01/06/23 13:15	JAS Received da 01/11/23 08:3	te/time 80
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid	WG1989841		01/12/23 06:01 Collected by	01/13/23 13:11 Collected date/time	JAS Received da	te/time
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid Method	WG1989841 WG1987223	50	01/12/23 06:01 Collected by Rick Pena Preparation	01/13/23 13:11 Collected date/time 01/06/23 13:15 Analysis	JAS Received da 01/11/23 08:3	te/time 80
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid Method Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1989841 WG1987223 Batch	50 Dilution	01/12/23 06:01 Collected by Rick Pena Preparation date/time	01/13/23 13:11 Collected date/time 01/06/23 13:15 Analysis date/time	JAS Received da 01/11/23 08:3 Analyst	te/time 30 Location
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid Method Total Solids by Method 2540 G-2011	WG1989841 WG1987223 Batch WG1987296	50 Dilution	01/12/23 06:01 Collected by Rick Pena Preparation date/time 01/12/23 15:09	01/13/23 13:11 Collected date/time 01/06/23 13:15 Analysis date/time 01/12/23 15:26	JAS Received da 01/11/23 08:3 Analyst CMK	te/time 80 Location Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021 Volatile Organic Compounds (GC) by Method 8021 Semi-Volatile Organic Compounds (GC) by Method 8015M V-3 (3'-4') L1574882-12 Solid Method Total Solids by Method 2540 G-2011 Wet Chemistry by Method 300.0	WG1989841 WG1987223 Batch WG1987296 WG1987212	50 Dilution 1 1	01/12/23 06:01 Collected by Rick Pena Preparation date/time 01/12/23 15:09 01/12/23 01:00	01/13/23 13:11 Collected date/time 01/06/23 13:15 Analysis date/time 01/12/23 15:26 01/12/23 08:12	JAS Received da 01/11/23 08:3 Analyst CMK GEB	te/time 20 Location Mt. Juliet, TN Mt. Juliet, TN

PROJECT:

236727

Received by OCD: 10/31/2023 10:44:53 AM SAMPLE SUMMARY

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Received by OCD: 10/31/2023 10:44:53 AM	SAMPLE S	SUMN	/IARY			Page
V-4 (0-1') L1574882-13 Solid			Collected by Rick Pena	Collected date/time 01/06/23 13:30	Received da	
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	СМК	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
			Collected by	Collected date/time	Received da	te/time
V-4 (1'-2') L1574882-14 Solid			Rick Pena	01/06/23 13:45	01/11/23 08:3	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	СМК	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
			Collected by	Collected date/time	Received da	te/time
V-4 (2'-3') L1574882-15 Solid			Rick Pena	01/06/23 14:00	01/11/23 08:3	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	СМК	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1987298 WG1987212	1	01/12/23 15:09	01/12/23 15:26	GEB	Mt. Juliet, TN Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1987212 WG1989839	1	01/12/23 01:00	01/12/23 09:32	MGF	Mt. Juliet, TN Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015/8021	WG1989839	1	01/12/23 06:01	01/13/23 10:35	JAS	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
V-4 (3'-4') L1574882-16 Solid			Rick Pena	01/06/23 14:15	01/11/23 08:3	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	СМК	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 da	
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	СМК	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
			Collected by	Collected date/time		
H-2 (0-6") L1574882-18 Solid			Rick Pena	01/06/23 14:40	01/11/23 08:3	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	СМК	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

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SAMPLE SUMMARY

Collected by Collected date/time Received date/time **Rick Pena** 01/06/23 14:50 01/11/23 08:30 H-3 (0-6") L1574882-19 Solid Method Batch Dilution Preparation Analysis Analyst Location date/time date/time Total Solids by Method 2540 G-2011 WG1987296 1 01/12/23 15:09 01/12/23 15:26 СМК 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 01/12/23 06:01 01/13/23 09:43 JAS Mt. Juliet, TN 1

H-4 (0-6") L1574882-20 Solid			Collected by Rick Pena	Collected date/time 01/06/23 15:00	Received dat 01/11/23 08:3	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1987296	1	01/12/23 15:09	01/12/23 15:26	СМК	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

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⁵Sr ⁶Qc ⁷Gl ⁸Al ⁹Sc

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CASE NARRATIVE

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.

le Gambill

Jennifer Gambill Project Manager



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DATE/TIME: 01/24/23 10:38

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SAMPLE RESULTS - 01 L1574882

⁵Sr

Total Solids by Method 2540 G-2011

	R	sult	Qualifier	Dilution	Analysis	Batch	—	Ср
Analyte	%				date / time		r	2
Total Solids	82	.4		1	01/12/2023 15:52	WG1987295		ЪС

Wet Chemistry by Method 300.0

Wet Chemistry by N	lethod 300.0						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4 Cn
Chloride	285		24.3	1	01/12/2023 03:56	WG1987212	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	le l
Analyte	mg/kg		mg/kg		date / time		
Benzene	0.00296		0.000607	1	01/19/2023 13:40	WG1991159	
Toluene	ND		0.00607	1	01/19/2023 13:40	<u>WG1991159</u>	2
Ethylbenzene	0.000629		0.000607	1	01/19/2023 13:40	<u>WG1991159</u>	
Total Xylene	0.00416	B	0.00182	1	01/19/2023 13:40	<u>WG1991159</u>	2
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	<u>WG1991159</u>	L
(S) a,a,a-Trifluorotoluene(PID)	99.2		72.0-128		01/19/2023 13:40	<u>WG1991159</u>	ç

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

SDG: L1574882

Ss

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Total Solids by Method 2540 G-2011

	,	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		73.3		1	01/12/2023 15:52	WG1987295	⁻Tc

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		6
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	<u>WG1987977</u>	7
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	<u>WG1987977</u>	8
TPH (GC/FID) Low Fraction	ND		0.138	1.01	01/18/2023 21:41	WG1987977	Ŭ
(S) a,a,a-Trifluorotoluene(FID)	99.3		77.0-120		01/18/2023 21:41	<u>WG1987977</u>	L
(S) a,a,a-Trifluorotoluene(PID)	97.5		72.0-128		01/18/2023 21:41	WG1987977	9

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

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Total Solids by Method 2540 G-2011

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

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	75.0		1	01/12/2023 15:52	<u>WG1987295</u>	Tc

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	<u>Batch</u>	
Analyte	mg/kg		mg/kg		date / time		
Benzene	0.000746	В	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	L
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/18/2023 22:03	WG1987977	ç

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

SAMPLE RESULTS - 04 L1574882

⁵Sr

Total Solids by Method 2540 G-2011

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

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.1		1	01/12/2023 15:52	WG1987295	¯Тс

Wet Chemistry by Method 300.0

Wet Chemistry by N	lethod 300.0						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		⁴ Cn
Chloride	ND		22.2	1	01/12/2023 04:44	WG1987212	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	<u>Batch</u>	
Analyte	mg/kg		mg/kg		date / time		⁶ C
Benzene	0.00370		0.000555	1	01/19/2023 14:03	WG1991159	
Toluene	ND		0.00555	1	01/19/2023 14:03	WG1991159	7
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	8
TPH (GC/FID) Low Fraction	ND		0.111	1	01/19/2023 14:03	WG1991159	Ĭ A
(S) a,a,a-Trifluorotoluene(FID)	100		77.0-120		01/19/2023 14:03	<u>WG1991159</u>	
(S) a,a,a-Trifluorotoluene(PID)	99.8		72.0-128		01/19/2023 14:03	WG1991159	95

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.44	1	01/12/2023 15:39	<u>WG1987222</u>
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

SAMPLE RESULTS - 05 L1574882

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	77.4		1	01/12/2023 15:52	<u>WG1987295</u>	ЪС

Wet Chemistry by Method 300.0

Wet Chemistry by N	Method 300.0						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		⁴ Cn
Chloride	34.6		25.8	1	01/12/2023 05:00	WG1987212	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		ľ
Benzene	0.00278		0.000646	1	01/18/2023 22:48	WG1987977	
Toluene	ND		0.00646	1	01/18/2023 22:48	WG1987977	7
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	8
TPH (GC/FID) Low Fraction	ND		0.129	1	01/18/2023 22:48	WG1987977	Γ́Α
(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	95

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

SDG: L1574882

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	84.8		1	01/12/2023 15:52	WG1987295	¯Тс

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	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	<u>WG1987977</u>	-
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	<u>WG1987977</u>	
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	<u>WG1987977</u>	L
(S) a,a,a-Trifluorotoluene(PID)	99.3		72.0-128		01/18/2023 23:11	<u>WG1987977</u>	ç

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

Ss

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Total Solids by Method 2540 G-2011

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

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.5		1	01/12/2023 15:52	<u>WG1987295</u>	ЪС

Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	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	ç

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

SDG: L1574882 DATE/TIME: 01/24/23 10:38

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Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		89.8		1	01/12/2023 15:52	WG1987295	¯Тс

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
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	ç

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	-	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		95.6		1	01/12/2023 15:52	WG1987295	Tc

Wet Chemistry by Method 300.0

Wet Chemistry by	Method 300.0						³ Ss
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		⁴ Cn
Chloride	ND		20.9	1	01/12/2023 07:24	WG1987212	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		ວັ
Benzene	0.00114	В	0.000523	1	01/19/2023 00:39	WG1987977	
Toluene	ND		0.00523	1	01/19/2023 00:39	WG1987977	⁷ G
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	8
TPH (GC/FID) Low Fraction	4.99		0.105	1	01/19/2023 00:39	WG1987977	Ă
(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	°S

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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	<u>J7</u>	18.0-148		01/13/2023 12:58	WG1987223

SDG: L1574882 DATE/TIME:

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Total Solids by Method 2540 G-2011

	<u>,</u>	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte		%			date / time		2
Total Solids		82.4		1	01/12/2023 15:52	WG1987295	¯Тс

Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	L
Analyte	mg/kg		mg/kg		date / time		4
Chloride	ND		24.3	1	01/12/2023 07:40	WG1987212	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	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	<u>WG1991156</u>	
Ethylbenzene	1.64		0.0713	100	01/19/2023 10:13	WG1991156	
Total Xylene	77.0		0.214	100	01/19/2023 10:13	<u>WG1991156</u>	
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	<u>WG1991156</u>	
(S) a,a,a-Trifluorotoluene(PID)	105		72.0-128		01/19/2023 10:13	WG1991156	

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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	<u>J7</u>	18.0-148		01/13/2023 13:24	WG1987223

SDG: L1574882

Received by 30 CD: 10/31/2023 10:44:53 AM Collected date/time: 01/06/23 13:00

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Total Solids by Method 2540 G-2011

	R	esult Qua	lifier Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	8	1.8	1	01/12/2023 15:26	WG1987296	¯Тс

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

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

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	90.2		1	01/12/2023 15:26	WG1987296	Тс

Wet Chemistry by Method 300.0

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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chloride	ND		22.2	1	01/12/2023 08:12	WG1987212	ľ

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		ືດ
Benzene	0.00153		0.000554	1	01/19/2023 14:25	WG1991159	
Toluene	ND		0.00554	1	01/19/2023 14:25	WG1991159	⁷ G
Ethylbenzene	ND		0.000554	1	01/19/2023 14:25	WG1991159	
Total Xylene	ND		0.00166	1	01/19/2023 14:25	<u>WG1991159</u>	8
TPH (GC/FID) Low Fraction	ND		0.111	1	01/19/2023 14:25	<u>WG1991159</u>	ĬĂ
(S) a,a,a-Trifluorotoluene(FID)	102		77.0-120		01/19/2023 14:25	<u>WG1991159</u>	
(S) a,a,a-Trifluorotoluene(PID)	99.4		72.0-128		01/19/2023 14:25	<u>WG1991159</u>	°S

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	<u> </u>	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	0	%			date / time		2
Total Solids	:	87.5		1	01/12/2023 15:26	WG1987296	Tc

Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	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	<u>WG1991159</u>	
Ethylbenzene	0.00530		0.000577	1.01	01/19/2023 14:48	<u>WG1991159</u>	
Total Xylene	0.0122		0.00174	1.01	01/19/2023 14:48	<u>WG1991159</u>	
TPH (GC/FID) Low Fraction	0.460		0.115	1.01	01/19/2023 14:48	<u>WG1991159</u>	
(S) a,a,a-Trifluorotoluene(FID)	101		77.0-120		01/19/2023 14:48	<u>WG1991159</u>	
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 14:48	WG1991159	

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	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

SDG: L1574882

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Total Solids by Method 2540 G-2011

	Result	Qualifier Dilu	tion Analysis	Batch	Ср
Analyte	%		date / time		2
Total Solids	85.4	1	01/12/2023	15:26 <u>WG1987296</u>	Tc

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		, i i i i i i i i i i i i i i i i i i i
Benzene	0.00229		0.000591	1.01	01/19/2023 15:10	WG1991159	
Toluene	ND		0.00591	1.01	01/19/2023 15:10	<u>WG1991159</u>	7
Ethylbenzene	0.000636		0.000591	1.01	01/19/2023 15:10	<u>WG1991159</u>	
Total Xylene	0.00192	B	0.00178	1.01	01/19/2023 15:10	<u>WG1991159</u>	8
TPH (GC/FID) Low Fraction	ND		0.118	1.01	01/19/2023 15:10	<u>WG1991159</u>	Ŭ
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/19/2023 15:10	<u>WG1991159</u>	L
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 15:10	<u>WG1991159</u>	9

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

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

SDG: L1574882

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	 Ср
Analyte	%			date / time		2
Total Solids	85.4		1	01/12/2023 15:26	WG1987296	Tc

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	<u>Batch</u>	
Analyte	mg/kg		mg/kg		date / time		
Benzene	0.00258		0.000586	1	01/18/2023 19:08	WG1989839	
Toluene	ND		0.00586	1	01/18/2023 19:08	<u>WG1989839</u>	
Ethylbenzene	0.00124		0.000586	1	01/18/2023 19:08	<u>WG1989839</u>	
Total Xylene	0.00493	B	0.00176	1	01/18/2023 19:08	<u>WG1989839</u>	
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	<u>WG1989839</u>	
(S) a,a,a-Trifluorotoluene(PID)	99.1		72.0-128		01/18/2023 19:08	WG1989839	9

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	90.3		1	01/12/2023 15:26	<u>WG1987296</u>	Тс

Wet Chemistry by Method 300.0

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		Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
	Analyte	mg/kg		mg/kg		date / time		4
1	Chloride	ND		22.2	1	01/12/2023 09:48	WG1987212	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
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	<u>WG1991495</u>	
(S) a,a,a-Trifluorotoluene(PID)	99.6		72.0-128		01/19/2023 15:33	<u>WG1991495</u>	

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time	—	2
Total Solids	75.6		1	01/12/2023 15:26	WG1987296	ЪС

Wet Chemistry by Method 300.0

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	L
Analyte	mg/kg		mg/kg		date / time		4
Chloride	139		26.5	1	01/12/2023 10:20	WG1987212	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		0
Benzene	0.00251		0.000662	1	01/18/2023 19:42	WG1989839	
Toluene	ND		0.00662	1	01/18/2023 19:42	WG1989839	7
Ethylbenzene	ND		0.000662	1	01/18/2023 19:42	WG1989839	
Total Xylene	ND		0.00198	1	01/18/2023 19:42	<u>WG1989839</u>	8
TPH (GC/FID) Low Fraction	ND		0.132	1	01/18/2023 19:42	WG1989839	Ŭ
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/18/2023 19:42	<u>WG1989839</u>	L
(S) a,a,a-Trifluorotoluene(PID)	106		72.0-128		01/18/2023 19:42	<u>WG1989839</u>	9

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		5.29	1	01/13/2023 09:17	<u>WG1987223</u>
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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	97.6		1	01/12/2023 15:26	<u>WG1987296</u>	Tc

Wet Chemistry by Method 300.0

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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	L
Analyte	mg/kg		mg/kg		date / time		4
Chloride	474		20.5	1	01/12/2023 10:36	WG1987212	

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		Ŭ
Benzene	0.000986	В	0.000513	1	01/19/2023 15:55	WG1991495	
Toluene	ND		0.00513	1	01/19/2023 15:55	WG1991495	7
Ethylbenzene	ND		0.000513	1	01/19/2023 15:55	WG1991495	
Total Xylene	ND		0.00154	1	01/19/2023 15:55	<u>WG1991495</u>	8
TPH (GC/FID) Low Fraction	ND		0.103	1	01/19/2023 15:55	WG1991495	Ĭ
(S) a,a,a-Trifluorotoluene(FID)	103		77.0-120		01/19/2023 15:55	<u>WG1991495</u>	
(S) a,a,a-Trifluorotoluene(PID)	100		72.0-128		01/19/2023 15:55	<u>WG1991495</u>	9

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	75.2		1	01/12/2023 15:26	WG1987296	ЪС

Wet Chemistry by Method 300.0

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

Volatile Organic Compounds (GC) by Method 8015/8021

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

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

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
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

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch	Ср
Analyte	%			date / time		2
Total Solids	82.7		1	01/12/2023 15:26	WG1987296	Tc

Wet Chemistry by Method 300.0

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	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chloride	89.0		24.2	1	01/12/2023 11:08	WG1987212	ľ

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		0
Benzene	0.000897	В	0.000604	1	01/19/2023 16:18	WG1991495	
Toluene	ND		0.00604	1	01/19/2023 16:18	WG1991495	7
Ethylbenzene	ND		0.000604	1	01/19/2023 16:18	<u>WG1991495</u>	
Total Xylene	ND		0.00181	1	01/19/2023 16:18	<u>WG1991495</u>	8
TPH (GC/FID) Low Fraction	ND		0.121	1	01/19/2023 16:18	<u>WG1991495</u>	Ŭ
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		01/19/2023 16:18	<u>WG1991495</u>	L
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		01/19/2023 16:18	<u>WG1991495</u>	9

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

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

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY L1574882-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

2/23 15:52				
MB Result	MB Qualifier	MB MDL	MB RDL	
%		%	%	
0.00300				
	MB Result %	MB Result <u>MB Qualifier</u> %	MB Result <u>MB Qualifier</u> MB MDL % %	MB Result MB Qualifier MB MDL MB RDL % % %

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

L15/4882-04 Origi	inal Sample	(OS) • Du	plicate	(DUP)		
(OS) L1574882-04 01/12/2	23 15:52 • (DUP)	R3880691-3	01/12/23 1	5:52		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	90.1	90.0	1	0.158		10

Laboratory Control Sample (LCS)

(LCS) R3880691-2 01/12	2/23 15:52				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

SDG: L1574882

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY L1574882-11,12,13,14,15,16,17,18,19,20

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Method Blank (MB)

(MB) R3880687-1 01/	/12/23 15:26				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	%		%	%	4
Total Solids	0.00200				

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

L15/4882-14 Origi	nal Sample	(OS) • Dup	olicate (DUP)		
(OS) L1574882-14 01/12/2	23 15:26 • (DUP)	R3880687-3	01/12/23 1	5:26		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	85.4	86.0	1	0.705		10

Laboratory Control Sample (LCS)

(LCS) R3880687-2 01/1	(LCS) R3880687-2 01/12/23 15:26					
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	%	%	%	%		
Total Solids	50.0	50.0	100	85.0-115		

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Wet Chemistry by Method 300.0

QUALITY CONTROL SUMMARY L1574882-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

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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

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

CS) L1574882-06 01/12/		· · · ·		× /		
Analyte	Original Result (dry) mg/kg		Dilution		DUP Qualifier	DUP RPD Limits %
hloride	272	268	1	1.43		20

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

L1574882-16 (Driginal Sample	(OS) • Dup	plicate (DUP)			
(OS) L1574882-16 (01/12/23 09:48 • (DUP)	R3880497-6	6 01/12/23 1	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 01/12/2	23 05:16 • (MS) I	R3880497-4 0	1/12/23 06:20 •	(MSD) R3880	497-5 01/12/23	3 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

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Method Blank (MB)

(MB) R3882373-3 01/18/2	23 18:01					
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/kg		mg/kg	mg/kg		
Benzene	0.000144	J	0.000120	0.000500		
Toluene	0.000523	J	0.000150	0.00500		
Ethylbenzene	U		0.000110	0.000500		
Total Xylene	0.000605	J	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		

Laboratory Control Sample (LCS)

(LCS) R3882373-1 01/18/2	23 16:25				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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) R3882373-2 01/18/	(LCS) R3882373-2 01/18/23 16:48						
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			
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			

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QUALITY CONTROL SUMMARY L1574882-11

Method Blank (MB)

Method Blank (ME	3)			
(MB) R3881635-3 01/16/2	23 16:03			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	U		0.00300	0.0125
Toluene	0.0148	<u>J</u>	0.00375	0.125
Ethylbenzene	0.00415	J	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

Laboratory Control Sample (LCS)

(LCS) R3881635-1 01/16/2	23 12:18					7
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/kg	mg/kg	%	%		
Benzene	0.0500	0.0490	98.0	76.0-121		8
Toluene	0.0500	0.0469	93.8	80.0-120		L
Ethylbenzene	0.0500	0.0438	87.6	80.0-124		9
(S) a,a,a-Trifluorotoluene(FID)			92.3	77.0-120		
(S) a,a,a-Trifluorotoluene(PID)			103	72.0-128		

Laboratory Control Sample (LCS)

(LCS) R3881635-2 01/16	/23 12:42				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	s LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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) R	3881635-4 01/	17/23 00:46 • (1	MSD) R388163	5-5 01/17/23 0	1:25						
	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	%	%		%			%	%
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	<u>J6</u>	<u>J6</u>	4.50	34

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QUALITY CONTROL SUMMARY

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

(OS) L1574882-11 01/16/23	23:08 • (MS) R	3881635-4 01/	17/23 00:46 • (1	VISD) R388163	5-5 01/17/23 0	1:25						
	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	<u>J6</u>	<u>J6</u>	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				

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	<u>J6</u>	<u>J6</u>	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				

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QUALITY CONTROL SUMMARY L1574882-15,17,19

Method Blank (MB)

(MB) R3882374-3 01/18/2	23 18:01					
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/kg		mg/kg	mg/kg		
Benzene	0.000144	J	0.000120	0.000500		
Toluene	0.000523	Ţ	0.000150	0.00500		
Ethylbenzene	U		0.000110	0.000500		
Total Xylene	0.000605	Ţ	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		

Laboratory Control Sample (LCS)

Laboratory Contro	i Sample (L	-2)				7
(LCS) R3882374-1 01/18/2	23 16:25					Í G
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/kg	mg/kg	%	%		Å
Benzene	0.0500	0.0505	101	76.0-121		
Toluene	0.0500	0.0553	111	80.0-120		9
Ethylbenzene	0.0500	0.0554	111	80.0-124		ľS
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				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	

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QUALITY CONTROL SUMMARY L1574882-10

Method Blank (MB)

(MB) R3882476-3 01/19/2	23 09:51				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Benzene	U		0.00300	0.0125	
Toluene	0.0108	J	0.00375	0.125	
Ethylbenzene	U		0.00275	0.0125	
Total Xylene	U		0.0115	0.0375	
TPH (GC/FID) Low Fraction	0.812	J	0.543	2.50	
(S) a,a,a-Trifluorotoluene(FID)	102			77.0-120	
(S) a,a,a-Trifluorotoluene(PID)	105			72.0-128	

Laboratory Control Sample (LCS)

Laboratory Contro	i Sample (L	-2)			7	7
(LCS) R3882476-1 01/19/2	23 08:23					GI
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/kg	mg/kg	%	%	8	[°] Al
Benzene	0.0500	0.0535	107	76.0-121		
Toluene	0.0500	0.0519	104	80.0-120	9	9
Ethylbenzene	0.0500	0.0575	115	80.0-124		Sc
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				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	

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QUALITY CONTROL SUMMARY L1574882-01,04,12,13,14

Method Blank (MB)

(MB) R3882637-3 01/19/2	23 13:00					
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/kg		mg/kg	mg/kg		
Benzene	0.000132	Ţ	0.000120	0.000500		
Toluene	0.000461	Ţ	0.000150	0.00500		
Ethylbenzene	U		0.000110	0.000500		
Total Xylene	0.000659	J	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		

Laboratory Control Sample (LCS)

Laboratory Contro	n Sample (L	-3)				7
(LCS) R3882637-1 01/19/2	23 11:53					Í
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/kg	mg/kg	%	%		β
Benzene	0.0500	0.0514	103	76.0-121		
Toluene	0.0500	0.0559	112	80.0-120		9
Ethylbenzene	0.0500	0.0555	111	80.0-124		ľS
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				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	

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QUALITY CONTROL SUMMARY L1574882-16,18,20

Method Blank (MB)

(MB) R3882638-3 01/19/2	23 13:00				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Benzene	0.000132	<u>J</u>	0.000120	0.000500	
Foluene	0.000461	J	0.000150	0.00500	
Ethylbenzene	U		0.000110	0.000500	
Fotal Xylene	0.000659	J	0.000460	0.00150	
PH (GC/FID) Low Fraction	U		0.0217	0.100	
(S) ,a,a-Trifluorotoluene(FID)	110			77.0-120	
(S) ,a,a-Trifluorotoluene(PID)	107			72.0-128	

Laboratory Control Sample (LCS)

Laboratory Contro	n Sample (L	LS)				7
(LCS) R3882638-1 01/19/	23 11:53					· ľ
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	mg/kg	mg/kg	%	%		8
Benzene	0.0500	0.0514	103	76.0-121		
Toluene	0.0500	0.0559	112	80.0-120		9
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				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	

SDG: L1574882

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Volatile Organic Compounds (GC) by Method 8021

QUALITY CONTROL SUMMARY L1574882-11

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Method Blank (MB)

Method Blank (MB	د)					
(MB) R3882047-2 01/18/2	23 01:18				Ср	
	MB Result	MB Qualifier	MB MDL	MB RDL	2	-
Analyte	mg/kg		mg/kg	mg/kg	Тс	
Total Xylene	U		0.0115	0.0375		_
(S) a,a,a-Trifluorotoluene(FID)	89.7			77.0-120	³ Ss	3
(S) a,a,a-Trifluorotoluene(PID)	100			72.0-128	⁴ C D	

Laboratory Control Sample (LCS)

(LCS) R3882047-1 01/18/2	23 00:05				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	

DATE/TIME: 01/24/23 10:38

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3880723-1 01/12/2	3 14:47			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	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	2/23 15:00				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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 01/13/2	3 12:40 • (MS) F	3880856-1 01	/13/23 12:52 • (1	MSD) R388085	56-2 01/13/23 1	13:04						
	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	%	%		%			%	%
C10-C28 Diesel Range	54.3	ND	ND	97.9	46.1	63.9	20	50.0-150	<u>J6</u>		10.4	20
(S) o-Terphenyl					0.000	0.000		18.0-148	<u>J7</u>	<u>J7</u>		

DATE/TIME: 01/24/23 10:38

PAGE: 39 of 44 ²Tc ³Ss ⁴Cn ⁵Sr ⁶Qc ⁷Gl

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Sc

QUALITY CONTROL SUMMARY L1574882-09.10.11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3880852-1 01/13/2	3 07:59				
	MB Result	MB Qualifier	MB MDL	MB RDL	E
Analyte	mg/kg		mg/kg	mg/kg	
C10-C28 Diesel Range	U		1.61	4.00	
C28-C36 Motor Oil Range	U		0.274	4.00	3
(S) o-Terphenyl	83.3			18.0-148	

Laboratory Control Sample (LCS)

(LCS) R3880852-2 01/13	/23 08:12				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
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	3 12:06 • (MS) R	3880852-3 01	1/13/23 12:19 • (N	ASD) R388085	52-4 01/13/231	2:32						
	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	%	%		%			%	%
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

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Released to Imaging: 3/18/2024 9:38:26 AM Earthstone Operating, LLC - Midland, TX PROJECT: 236727

SDG: L1574882 DATE/TIME: 01/24/23 10:38

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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

(1)	d 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].
1DL	Method Detection Limit.
1D	Not detected at the Reporting Limit (or MDL where applicable).
DL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
DG	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.
J	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
В	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.

SDG: L1574882

Received by OCD: 10/31/2023 10:44:53 AMCCREDITATIONS & LOCATIONS

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Τс

Ss

Cn

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
lorida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
daho	TN00003	Ohio-VAP	CL0069
llinois	200008	Oklahoma	9915
ndiana	C-TN-01	Oregon	TN200002
owa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Centucky ¹⁶	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
ouisiana	AI30792	Tennessee ¹⁴	2006
ouisiana	LA018	Texas	T104704245-20-18
laine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
lichigan	9958	Virginia	110033
Vinnesota	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
PA–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.

SDG: L1574882 DATE/TIME: 01/24/23 10:38

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Sr Qc GI Sc

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Chain of Custody



Work Order No:

LIS74882

Page Project Manager Becky Haskell Bill to: (if different) Chris Martin Work Order Comments Company Name NTG Environmental Company Name: Earthstone Operating, LLC Program: UST/PST PRP Brownfields RRC uperfund Address: 701 Tradewinds BLVD State of Project: Address 600 N. Marienfeld, Suite 1000 Reporting Level II Devel III DST/UST TRRP Devel IV City, State ZIP Midland, TX 79706 City, State ZIP: Midland TX, 79701 Deliverables: EDD ADaPT Phone: 432-766-1918 Other Email: cmartin@earthstoneenergy.com Project Name: Daisy Duck 31 State Com #003H **Turn Around** ANALYSIS REQUEST **Preservative Codes** Pres. ✓ Routine Rush Project Number 236727 None: NO DI Water: H₂O Code **Project Location** Eddy Co, NM Due Date: Standard Cool: Cool MeOH: Me + MRO) Sampler's Name: **Rick Pena** TAT starts the day received by the HCL: HC HNO3: HN lab, if received by 4:30pm PO # H2SO4: H2 NaOH: Na 8015M (GRO + DRO 300.0 SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No H-POA: HP BTEX 8021B Yes No Received Intact: Thermometer ID: Para НОГР NaHSO4: NABIS Chloride Cooler Custody Seals: Yes No N/A Correction Factor: Na2S2O3: NaSO3 Sample Custody Seals Yes No N/A Temperature Reading Zn Acetate+NaOH: Zn Total Containers: Corrected Temperature: NaOH+Ascorbic Acid: SAPC TPH Grab/ # of Sample Identification Time Date Soil Water Sample Comments Cont Comp V-1 (0-1') 1/6/2023 10:30 X X G X X -1 -DI V-1 (1'-2') 1/6/2023 10:45 X X 202 G 1 X X -°O3 V-1 (2'-3') 1/6/2023 11:00 X G X 1 X Х 1 294 V-1 (3'-4') 1/6/2023 11:15 Х G Х X 1 X -V-2 (0-1') X G 1/6/2023 11:30 1 X X Х -05 -V-2 (1'-2') 1/6/2023 11:45 X G 1 х х X J222 . - 96 V-2 (2'-3') 1/6/2023 12:00 Х G X 1 X X . <0' V-2 (3'-4') 1/6/2023 12:15 X G X 1 X X 200 NOTIS -20 realere Sample Receipt Checklist V-3 (0-1') 1/6/2023 12:30 X G X -1 X X If Applicable V-3 (1'-2') Х COC Signed/Accurate: 1/6/2023 12:45 G X X X 1 N VOA Zero Headspace: Bottles arrive intact: N Pres.Correct/Check: Y Additoinal Comments: Correct bottles used: 1 6842 Federa .3+0= 3 5913 6272 3715 Sufficient volume sent: RAE Screen <0.5 mR/hr: 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 condition 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 UL 0830 Vu

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Project Manager:	Becky H	laskell				Bill to: (if	different)		Chris	Martir	1	-			1					W	ork C	rder	Comments			
Company Name:	A STREET	nvironme	ental			Company	y Name:		Earth	stone	Opera	ting, L	LC	-	1		Prog	ram: l	JST/PS		PRP [Brow	vnfields D R	fields RRC uperfund		
Address:	701 Tra	dewinds	BLVD			Address:						-			2		10.000		oject:	340		-		D 1		
City, State ZIP:	Midland	, TX 797	706		Linder	City, Stat	Address: 600 N. Marienfeld, Suite 1000 State of Project: City, State ZIP: Midland TX, 79701 Reporting: Level II Level III				D's															
Phone:	432-766	5-1918		a harris	Email	cmartin	5 - 18 Miles - 5	toneene		ee 1		157		5			Deliv	erable	s: EDI		1	ADaP	о 🗆 тч	ther:		
Project Name:	Daisy	Duck 3	1 State Com	#003H	Tur	n Around	2		T					ANA	YSIS	REC	UEST	т					Prese	ervative Code		
Project Number:	1 1/16	1261	236727		✓ Routine	Rus!		Pres. Code						T				1	1	1	1		None: NO	DI Wate		
Project Location	1	The Print of the	ly Co, NM		Due Date:	Stan	dard	- our				acres .				12/2	1					Z.	Cool: Cool	MeOH: I		
Sampler's Name:	1	1 P 1 P 1 P 1	ck Pena		TAT starts the	day receive	ed by the			+ MRO)													HCL: HC	HNO3: H		
PO #:		12	and and		lab, if rece	eived by 4:3	Opm	2		¥	1	12			1				1.1		·		H2S04: H2	NaOH: N		
SAMPLE RECEI	IPT	Temp	o Blank:	Yes No	Wet Ice:	Yes	No	Parameters X 8021B		8015M (GRO + DRO	00.00										1	H ₃ PO ₄ : HP				
Received Intact:		Yes	s No	Thermom	eter ID:			aran	8021B	÷	Chloride 300.0	3	1				1.1					НОГР	NaHSO4: N	ABIS		
Cooler Custody Seal	ls:	Yes		Correction	n Factor:	1200		۵.	BTEX	(GR	lori	1.0				¥ Na₂		Na ₂ S ₂ O ₃ : N	Na ₂ S ₂ O ₃ : NaSO ₃							
Sample Custody Sea	als:	Yes	No N/A	ACCOUNTS OF A	ure Reading:	1			-	15M	ΰ	1			Zn Acetate-	NaOH: Zn										
Total Containers:				Corrected	Temperature:	1.1				H 80		-	14-14					1.0				100	NaOH+Asc	orbic Acid: SAF		
Sample Ider	ntification	n	Date	Time	Soil	Water	Grab/ Comp	# of Cont	1.42	ТРН		1	Ne.			100		200					Samp	le Comment		
V-3 (2		12	1/6/2023	1:00	X	-	G	1	X	X	X	1							- 590		1.12		St. A.R.	gang an tagan s		
V-3 (3	3'-4')	V	1/6/2023	1:15	Х	3.0	G	1	X	X	X	-	1								-					
V-4 (0			1/6/2023	1:30	Х	-	G	1	X	X	X										0	-				
V-4 (1	'-2')		1/6/2023	1:45	Х	- 2	G	1	X	X	Х	1. 19				1							-	+		
V-4 (2	?'-3')		1/6/2023	2:00	Х	· - 10	G	1	X	X	X	14.14	-				1.					1	in the second			
V-4 (3	3'-4')	120	1/6/2023	2:15	Х	-	G	1	X	X	Х	120	1	100		1	1 and	162	1. 12	V		de la				
H-1 (0)-6")		1/6/2023	2:30	Х	-	G	1	X	X	X	1	1.18		ites -	4	1				1	1		1997 - C		
H-2 (0	1	1	1/6/2023	2:40	Х	5	G	1	X	X	X	3	1	1	1	22	100					1000	1	5.00		
H-3 (0	A		1/6/2023	2:50	Х		G	1	X	X	Х	aller		1	ch.	1	1					1	-			
H-4 (0)-6")		1/6/2023	3:00	X	-	G	1	X	X	X	44		12	100 m		1		(EAR)					, He		
	onal Cor			ples constitu				or expense	s incurr	ed by th	e client	if such	losses	are due	to circu	Imstan	ces bey	ond the	control		-			- 1 - 100 - 10 		
Addition Notice: Signature of this of service. Xenco will be of Xenco. A minimum cf	e liable only	for the cos	st of samples an	d shall not as project and a	sume any respon	each sample	submitted	to Xenco,	but not	analyze	d. Thes	e terms	s will be	emorce	eu umes	o prem	ously m	eyonate	2d,				-			

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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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

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

BTEX 8021B	mg/	′kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d 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	Analyze	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.5	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

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

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

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

BTEX 8021B	mg,	/kg	Analyze	d 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 9	% 71.5-13	4						
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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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Chain of Custody



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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

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

BTEX 8021B	mg	/kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/12/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

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

BTEX 8021B	mg,	/kg	Analyze	d 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	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Becky Haskell Bill to: (if different) Chris Martin NTG Environmental Company Name: Earthstone Op 701 Tradewinds Blvd. Address: 600 N. Marient 701 Tradewinds Blvd. City, State ZIP: Midland TX, 79701 432-766-1918 Email: cmartin@earthstoneenergv.com 432-766-1918 Eddy Co, NM Email: cmartin@earthstoneenergv.com 236727 Imail: Cmartin@earthstoneenergv.com Eddy Co, NM Due Date: Imail: Midland TX,79 Kenny Han TAT starts the day received by the lab; if received by 4:30pm Pres. Codes Ves< No MA Correction Factor: 0.0.0.2.2.2 Parameters asis: Yes< No Temperature Reading: 0.0.2.2.2 Parameters 2 Corrected Temperature: 0.0.2.2.2 Parameters BTEX 80021B BTEX 80015M (GR0 + DR0 + MRO) Cont Thermometer ID: 0.0.2.2.2 Parameters 2 Corrected Temperature: 1.9.2.2 Parameters Thermometer ID: 0.0.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	Yes No MA Temperature Reading: 2.5 Corrected Temperature: 2.5 Corrected Tem	dentification Date Time Soil Water Grab/ comp # of F	4/11/2023 x Grab/ 1 x x	4/11/2023 X Graw		Additional Comments: Billing Code: EARTHSTONE Billing Code: EARTHSTONE Billing Code: EARTHSTONE	ENVIRON e: Becky re: NTG E 701 Tr 201 Tr 432-76 CEIPT t: 432-76 CEIPT t: 1 V Seals: V Seals: Is: 15 CO-1 (0-7.5) D-1 (0-7.5) D-1 (0-7.5) D-1 (0-7.5) D-1 (0-7.5) CD-1 (0-7.5)	VMENTAL Ind TX, 79701 Calesy Duke 31 State Co Daisy Duke 31 State Co 236727 Eddy Co, NM Kenny Han Yes No Yes No	Email: Dm Turn Ue Date: TAT starts the lab, if reomerature Reading: Thermometer ID: Corrected Temperature Reading: Corrected Temperature Reading: X Time Soil X X Billing Code: EART Billing Code: EART	Bill to: (if different) Company Name: Address: City, State ZIP: cmartin@earthston Adoress: Jature Grab/ Grab/ <td< th=""><th>44/12</th><th>27-23</th><th>In a provide the class and a providet the class an</th><th>ANALYSIS REI ANALYSIS REI ANALYSIS REI ANALYSIS REI Relinquished by: (Sig</th><th>Program: US State of Proje Reporting:Lev Deliverables: Deliverables: dard terms and con stances beyond the previously negotiate previously negotiate</th><th>eived by: (\$</th><th>Samp Samp</th></td<>	44/12	27-23	In a provide the class and a providet the class an	ANALYSIS REI ANALYSIS REI ANALYSIS REI ANALYSIS REI Relinquished by: (Sig	Program: US State of Proje Reporting:Lev Deliverables: Deliverables: dard terms and con stances beyond the previously negotiate previously negotiate	eived by: (\$	Samp Samp
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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/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: 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

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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: Project Number: Project Manager: 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



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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706		Project: Project Number: Project Manager: 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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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				- 1 (3') 359-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	128		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЈН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		111 %	71.5	-134	3041944	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				5 - 2 (3') 859-02 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ll Laborat	ories					
Inorganic Compounds Chloride	96.0		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s 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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project Num Project Mana	, iber: 236		Reported: 15-Jun-23 09:16				
				5 - 3 (3') 859-03 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	160		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s 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	ЛН	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		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			99.4 %	48.2	-134	3041938	MS	20-Apr-23	8015B	
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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project Num Project Mana	, iber: 236		Reported: 15-Jun-23 09:16				
				5 - 4 (3') 859-04 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	96.0		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method 8	3021						-		
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		106 %	71.5	-134	3041944	JH	20-Apr-23	8021B	
Petroleum Hydrocarbons by	y 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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	Project Num Project Mana	, ber: 236		Reported: 15-Jun-23 09:16						
				- 5 (3') 859-05 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЛН	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	Project Num Project Mana	, iber: 236		Reported: 15-Jun-23 09:16						
				5 - 6 (3')						
			П2516	859-06 (So)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	288		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	ID)		109 %	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*	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	
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


NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 7 (3') 859-07 (So	sil)					
			112510	557-07 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	021								
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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		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*	<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	
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

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 8 (3') 359-08 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					_
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	021								
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 (PI	D)		109 %	71.5	-134	3041944	ЈН	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*	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	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3041938	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				5 - 9 (3') 859-09 (So	oil)					
)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	192		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				- 10 (3') 859-10 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
<u>Inorganic Compounds</u> Chloride	240		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	ls 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	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		111 %	71.5	-134	3041944	JH	20-Apr-23	8021B	
Petroleum Hydrocarbons by	y 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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 11 (3') 859-11 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	272		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
			10.0	iiig/kg	4	3042031	UW	20-Api-23	4300-СІ-В	
Volatile Organic Compound	s by EPA Method 80)21								
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 (PL	ID)		106 %	71.5	-134	3041944	ЈН	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			95.9 %	48.2	-134	3041938	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			97.6 %	49.1	-148	3041938	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 236		Reported: 15-Jun-23 09:16				
				- 12 (3') 859-12 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds							~ .			
Chloride	128		16.0	mg/kg	4	3042031	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s 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	ЈН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 236		OM	Reported: 15-Jun-23 09:16			
				- 13 (6') 859-13 (80						
			112510	557-15 (50	,m)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	576		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		119 %	71.5	-134	3041944	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 14 (6') 859-14 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	48.0		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
		0001	10.0	ing/kg	·	5012011	0141	20 Mpi 25	1000 01 1	
Volatile Organic Compounds Benzene*	<0.050 <0.050	0021	0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3041944	лі ЛІ	20-Apr-23	8021B 8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041944	л	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.050	mg/kg	50	3041944	л	20-Apr-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3041944	Л	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl			119 %	71.5	-134	3041944	ЛН	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			95.9 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 236		Reported: 15-Jun-23 09:16				
				- 15 (4') 859-15 (80						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	JH	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		118 %	71.5	-134	3041944	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Proj Project Num Project Mana Fax		Reported: 15-Jun-23 09:16					
				16 (3-6 859-16 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		111 %	71.5	-134	3041944	ЛН	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*	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	
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				17 (3-6 359-17 (So	·						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compounds	by EPA Method 8	021									
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	ЛН	20-Apr-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3041944	JH	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (PI	D)		116 %	71.5	-134	3041944	ЛН	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*	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		
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. MIDLAND TX, 79706	Project Num Project Mana	, ber: 236			ОМ	1	Reported: 5-Jun-23 09:	16		
				- 18 (6') 359-18 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	560		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		113 %	71.5	-134	3041944	ЛН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 19 (6') 359-19 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	336		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041944	ЛН	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 (PL	ID)		112 %	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			86.6 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			95.9 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 20 (8') 859-20 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	272		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds		0.21	10.0		·	5012011	0.11	201111-20		
Benzene*	<0.050	021	0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	л	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		104 %	71.5	-134	3041945	ЈН	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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				- 21 (4') 859-21 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	224		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЈН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236			OM	1	Reported: 5-Jun-23 09:	16
				22 (3.5 359-22 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	320		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЈН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		105 %	71.5	-134	3041945	ЛН	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			100 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 23 (11) 859-23 (Se	·						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
<u>Inorganic Compounds</u> Chloride	192		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compound	ls by EPA Method 8	021									
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	ЛН	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (P	PID)		104 %	71.5	-134	3041945	ЛН	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			96.6 %	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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, iber: 236		OM	Reported: 15-Jun-23 09:16			
				- 24 (11) 859-24 (Se	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	416		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 25 (11' 859-25 (So	·						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds Chloride	64.0		16.0	mg/kg	4	3042011	GM	20-Apr-23	4500-Cl-B		
		0.21	10.0		·	2012011	0.02	20 Hpt 20	1000 01 2		
Volatile Organic Compound Benzene*	<u><0.050 <0.050 <</u>	021	0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Toluene*	<0.050		0.050	mg/kg	50	3041945	Л	20-Apr-23	8021B		
Ethylbenzene*	<0.050		0.050	mg/kg	50	3041945	Л	20-Apr-23	8021B		
Total Xylenes*	<0.150		0.150	mg/kg	50	3041945	Л	20-Apr-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (P	ID)		104 %	71.5	-134	3041945	ЛН	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			91.8 %	48.2	-134	3041939	MS	20-Apr-23	8015B		
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3041939	MS	20-Apr-23	8015B		

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SI MIDLAND TX, 79706		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16				
				26 (3-11 859-26 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	352		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
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	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID,)		104 %	71.5	-134	3041945	ЛН	20-Apr-23	8021B	
Petroleum Hydrocarbons by C	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	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	GUITE C		Project Num Project Mana	, ber: 236			OM	1	Reported: 5-Jun-23 09:	16
				- 1 (0-3 859-27 (So	/					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	320		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		105 %	71.5	-134	3041945	ЛН	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			85.0 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			92.9 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SI MIDLAND TX, 79706	UITE C		Project Num Project Mana Fax	, ber: 236	KY Haskei		OM	1	Reported: 15-Jun-23 09:	16
				= 2 (0=5 859-28 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	144		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds I	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID,)		104 %	71.5	-134	3041945	ЛН	20-Apr-23	8021B	
Petroleum Hydrocarbons by C	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			87.4 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			95.6 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	UITE C		Project Num Project Mana	, iber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 3 (0-3 859-29 (Se	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	336		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
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	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		105 %	71.5	-134	3041945	ЛН	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			97.0 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			106 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 4 (0-3 359-30 (So	<i>,</i>						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds			16.0			2042014	C) (20.4.22	4500 CL D		
Chloride	736		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	3041945	JH	20-Apr-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	ID)		102 %	71.5	-134	3041945	ЛН	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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		Reported: 15-Jun-23 09:16				
				- 5 (0-3' 859-31 (So	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 80	21								
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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		104 %	71.5	-134	3041945	ЈН	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			95.0 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706		Project Num Project Mana	ber: 236		ОМ	Reported: 15-Jun-23 09:16				
				- 6 (0-3 359-32 (Se	/					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	96.0		16.0	mg/kg	4	3042014	GM	20-Apr-23	4500-Cl-B	
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	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	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*	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	
Surrogate: 1-Chlorooctadecane			80.1 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SU MIDLAND TX, 79706	JITE C		Project Num Project Mana Fax	, ber: 236	KY Haskei		OM	1	Reported: 15-Jun-23 09:	16
			H2318	859-33 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	400		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds b	y 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	ЛН	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5	-134	3041945	ЛН	20-Apr-23	8021B	
<u>Petroleum Hydrocarbons by G</u>	C 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			93.7 %	48.2	-134	3041939	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			99.3 %	49.1	-148	3041939	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 8 (3-6 859-34 (Se	·						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds	416		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B		
Chloride	410		16.0	шу/ку	4	3042044	GM	20-Apr-23	4300-СІ-В		
Volatile Organic Compound	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (PA	ID)		104 %	71.5	-134	3041945	ЛН	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			80.4 %	48.2	-134	3041940	MS	20-Apr-23	8015B		
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3041940	MS	20-Apr-23	8015B		

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 9 (4-6 359-35 (Se	,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds							~ .		1000 CL D		
Chloride	80.0		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compounds	s by EPA Method 8	021									
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B		
Surrogate: 4-Bromofluorobenzene (Pl	ID)		104 %	71.5	-134	3041945	ЛН	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			112 %	49.1	-148	3041940	MS	20-Apr-23	8015B		

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	, ber: 236		Reported: 15-Jun-23 09:16					
				· 10 (3-4 859-36 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	224		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s 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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		105 %	71.5	-134	3041945	ЛН	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			83.1 %	48.2	-134	3041940	MS	20-Apr-23	8015B	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706		Project Num Project Mana	, ber: 236		Reported: 15-Jun-23 09:16					
				11 (4-1) 859-37 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	528		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		104 %	71.5	-134	3041945	ЛН	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*	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	
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	UITE C		Project Num Project Mana	, ber: 236		Reported: 15-Jun-23 09:16				
				12 (4-1 859-38 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	272		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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	ЛН	20-Apr-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3041945	ЛН	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	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	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				13 (3.5- 859-39 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	80.0		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	20-Apr-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3041945	ЛН	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	ЛН	20-Apr-23	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		Reported: 15-Jun-23 09:16				
				- 14 (3-4 359-40 (Se	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	304		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound		8021	10.0	<u>g</u> g	·	5012011	0.11	20 Hpt 20	1000 01 2	
Benzene*	<0.050	0021	0.050	mg/kg	50	3041942	JH/	20-Apr-23	8021B	OR-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 (P.	ID)		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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project: DAISY DUKE 31 STATE COM Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16		
				- 15 (0-6 859-41 (Se	<i>,</i>						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
<u>Inorganic Compounds</u> Chloride	288		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compound	ls 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 (P	PID)		104 %	71.5	-134	3041942	JH/	20-Apr-23	8021B		
Petroleum Hydrocarbons by	y 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			82.2 %	48.2	-134	3041940	MS	20-Apr-23	8015B		
Surrogate: 1-Chlorooctadecane			99.2 %	49.1	-148	3041940	MS	20-Apr-23	8015B		

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Num Project Mana Fax		Reported: 15-Jun-23 09:16					
				- 16 (4-6 359-42 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	416		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds		8021	10.0	88						
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 (PI	D)		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*	<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	
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager


NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	UITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				17 (6-1) 359-43 (So	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	320		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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	
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	
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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236			OM	Reported: 15-Jun-23 09:16		
				18 (6-1 859-44 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	288		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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 (PII	D)		105 %	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*	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	
Surrogate: 1-Chlorooctadecane			103 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236			ОМ	1	Reported: 15-Jun-23 09:	16
				- 19 (4-6 359-45 (Se	·					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds							~ .		(1000 CT T	
Chloride	288		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	ID)		102 %	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*	<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	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		OM	Reported: 15-Jun-23 09:16			
				- 20 (6-8 359-46 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			16.0			2012011	<u> </u>	20.4.22	4500 CL D	
Chloride	480		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
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 (PL	ID)		103 %	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*	<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	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. 5 MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				- 21 (4-8 359-47 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	640		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
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 (PL	D)		102 %	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*	<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	
Surrogate: 1-Chlorooctadecane			109 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		OM	Reported: 15-Jun-23 09:16			
				· 22 (0-4 359-48 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds	2/0		16.0		4	3042044	GM	20 A	4500-Cl-B	
Chloride	368		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-CI-B	
Volatile Organic Compound	s by EPA Method 8	021								
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 (P.	ID)		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*	<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	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236			OM	1	Reported: 15-Jun-23 09:	16
				23 (4-1 859-49 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	240		16.0		4	2042044	CM	20 A	4500 CL D	
Chloride	240		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	D)		105 %	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*	<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	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	701 TRADEWINDS BLVD. SUITE C				sy duke 3 727 Ky haskei	OM	Reported: 15-Jun-23 09:16			
				24 (4-1 859-50 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	32.0		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (PI	D)		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*	<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	
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		OM	Reported: 15-Jun-23 09:16			
				25 (0-1 859-51 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	432		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	D)		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*	<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	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C		Project Num Project Mana	ber: 236		OM	Reported: 15-Jun-23 09:16			
				26 (3-1 359-52 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	528		16.0	mg/kg	4	3042044	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (PI	D)		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*	<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	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	SUITE C		Project Num Project Mana	, ber: 236		ОМ	Reported: 15-Jun-23 09:16			
				27 (3-1 859-53 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	480		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
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	
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	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	3041940	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SU MIDLAND TX, 79706	JITE C		Project Num Project Mana	, ber: 236	727	1 STATE C	ОМ	Reported: 15-Jun-23 09:16		
				· 28 (3-5 859-54 (So	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	192		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds b	y 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	
Petroleum Hydrocarbons by G	C 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	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	3041941	MS	20-Apr-23	8015B	

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. S MIDLAND TX, 79706	UITE C	Project: DAISY DUKE 31 STATE COM E C Project Number: 236727 Project Manager: BECKY HASKELL Fax To:					ОМ	1	Reported: 5-Jun-23 09:	16
				· 29 (3-8 859-55 (So	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	384		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	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	
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	
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



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C	Project: DAISY DUKE 31 STATE COM ITE C Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16			
				- 30 (0-6 359-56 (Sc	,						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	32.0		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	021									
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 (P	PID)		105 %	71.5	-134	3041942	JH/	20-Apr-23	8021B		
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		
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	3041941	MS	21-Apr-23	8015B		

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C	Project: DAISY DUKE 31 STATE COM FE C Project Number: 236727 Project Manager: BECKY HASKELL Fax To:						Reported: 15-Jun-23 09:16			
				- 31 (0-8 859-57 (So	<i>,</i>						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	336		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B		
Volatile Organic Compound	s by EPA Method 8	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 (P.	ID)		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	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		
Surrogate: 1-Chlorooctadecane			115 %	49.1	-148	3041941	MS	21-Apr-23	8015B		

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C	Project: DAISY DUKE 31 STATE COM ITE C Project Number: 236727 Project Manager: BECKY HASKELL Fax To:					Reported: 15-Jun-23 09:16			
				32 (3-1 359-58 (Se	,					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	176		16.0	mg/kg	4	3042032	GM	20-Apr-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (PI	D)		103 %	71.5	-134	3041942	JH/	20-Apr-23	8021B	
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	
Surrogate: 1-Chlorooctadecane			121 %	49.1	-148	3041941	MS	21-Apr-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16	
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Inorganic Compounds - Quality Control

		Cardir	nal Lab	oratories						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3042011 - 1:4 DI Water	Tiebuit	2	Chits	20101	Ttoball	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2	10.0		110100
Blank (3042011-BLK1)				Prepared &	z Analyzed:	20-Apr-23				
Chloride	ND	16.0	mg/kg		j					
LCS (3042011-BS1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3042011-BSD1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 3042014 - 1:4 DI Water										
Blank (3042014-BLK1)				Prepared &	z Analyzed:	20-Apr-23				
Chloride	ND	16.0	mg/kg							
LCS (3042014-BS1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3042014-BSD1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3042031 - 1:4 DI Water										
Blank (3042031-BLK1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	ND	16.0	mg/kg							
LCS (3042031-BS1)				Prepared &	z Analyzed:	20-Apr-23				
Chloride	400	16.0	mg/kg	400		100	80-120			

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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16
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Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3042031 - 1:4 DI Water										
LCS Dup (3042031-BSD1)				Prepared &	k Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	
Batch 3042032 - 1:4 DI Water										
Blank (3042032-BLK1)				Prepared &	analyzed:	20-Apr-23				
Chloride	ND	16.0	mg/kg							
LCS (3042032-BS1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (3042032-BSD1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 3042044 - 1:4 DI Water										
Blank (3042044-BLK1)				Prepared &	z Analyzed:	20-Apr-23				
Chloride	ND	16.0	mg/kg							
LCS (3042044-BS1)				Prepared &	Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3042044-BSD1)				Prepared &	k Analyzed:	20-Apr-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3041942 - Volatiles										
Blank (3041942-BLK1)				Prepared: 1	9-Apr-23 A	nalyzed: 2	0-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: 1	9-Apr-23 A	nalyzed: 2	0-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: 1	9-Apr-23 A	nalyzed: 2	0-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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16
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Volatile Organic Compounds by EPA Method 8021 - Quality Control Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3041944 - Volatiles										
Blank (3041944-BLK1)				Prepared: 1	9-Apr-23 A	Analyzed: 2	0-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: 1	9-Apr-23 A	analyzed: 2	0-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-BSD1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-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-2	23 Analyzed: 2	0-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	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16
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Volatile Organic Compounds by EPA Method 8021 - Quality Control **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3041945 - Volatiles										
LCS (3041945-BS1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-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: 1	9-Apr-23 A	analyzed: 2	0-Apr-23			
Benzene	1.67	0.050	mg/kg	2.00		83.5	81.4-118	18.0	15.8	QR-0
Toluene	1.76	0.050	mg/kg	2.00		87.8	88.7-121	17.4	15.9	BS-3, QR-0
Ethylbenzene	1.83	0.050	mg/kg	2.00		91.5	86.1-120	17.7	16	QR-0
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.4	88.2-124	16.6	16.2	QR-0
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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NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	DAISY DUKE 31 STATE COM 236727 BECKY HASKELL	Reported: 15-Jun-23 09:16
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Petroleum Hydrocarbons by GC FID - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3041938 - General Prep - Organics										
Blank (3041938-BLK1)				Prepared: 1	9-Apr-23 A	nalyzed: 2	0-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: 1	9-Apr-23 A	nalyzed: 2	0-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-BSD1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-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: 1	9-Apr-23 A	nalyzed: 2	0-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							

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Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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mg/kg

mg/kg

49.6

50.0

76.0

81.4

48.2-134

49.1-148

37.7

40.7

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Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 15-Jun-23 09:16	
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal La	aboratories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3041939 - General Prep - Organics										
LCS (3041939-BS1)				Prepared: 1	9-Apr-23 A	nalyzed: 2	0-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-BSD1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-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										
Batch 3041940 - General Prep - Organics Blank (3041940-BLK1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-Apr-23			
	ND	10.0	mg/kg	Prepared: 1	9-Apr-23 A	analyzed: 2	0-Apr-23			
Blank (3041940-BLK1)	ND ND	10.0 10.0	mg/kg mg/kg	Prepared: 1	9-Apr-23 A	analyzed: 2	0-Apr-23			
Blank (3041940-BLK1) GRO C6-C10				Prepared: 1	9-Apr-23 A	analyzed: 2	0-Apr-23			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28	ND	10.0	mg/kg	Prepared: 1 49.6	9-Apr-23 A	nalyzed: 2 71.1	0-Apr-23 48.2-134			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36	ND ND	10.0	mg/kg mg/kg	*	9-Apr-23 A		1			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36 	ND ND 35.2	10.0	mg/kg mg/kg mg/kg	49.6 50.0	19-Apr-23 A	71.1 88.7	48.2-134 49.1-148			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane	ND ND 35.2	10.0	mg/kg mg/kg mg/kg	49.6 50.0		71.1 88.7	48.2-134 49.1-148			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane LCS (3041940-BS1)	ND ND 35.2 44.3	10.0 10.0	mg/kg mg/kg mg/kg mg/kg	49.6 50.0 Prepared: 1		71.1 88.7 analyzed: 2	48.2-134 49.1-148 0-Apr-23			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane LCS (3041940-BS1) GRO C6-C10	ND ND 35.2 44.3 158	10.0 10.0	mg/kg mg/kg mg/kg mg/kg mg/kg	49.6 50.0 Prepared: 1 200		71.1 88.7 analyzed: 2 79.0	48.2-134 49.1-148 0-Apr-23 78.5-124			
Blank (3041940-BLK1) GRO C6-C10 DRO >C10-C28 EXT DRO >C28-C36 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane LCS (3041940-BS1) GRO C6-C10 DRO >C10-C28	ND ND 35.2 44.3 158 170	10.0 10.0 10.0 10.0 10.0	mg/kg mg/kg mg/kg mg/kg mg/kg	49.6 50.0 Prepared: 1 200 200		71.1 88.7 malyzed: 2 79.0 84.9	48.2-134 49.1-148 0-Apr-23 78.5-124 72.5-126			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project Number:	BECKY HASKELL	Reported: 15-Jun-23 09:16	
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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Amolyte	D ¹	Reporting	11-5	Spike	Source	0/ 0.5.0	%REC	סחח	RPD Limit	NT - 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3041940 - General Prep - Organics										
LCS Dup (3041940-BSD1)				Prepared: 1	9-Apr-23 A	analyzed: 2	0-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: 1	9-Apr-23 A	analyzed: 2	0-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: 1	9-Apr-23 A	analyzed: 2	0-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: 1	9-Apr-23 A	analyzed: 2	0-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			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Work Order No: 43859

Page 72 of 77

	Becky Haske				Bill to:	(if differe	ent)	Chr	ris Mar	rtin								Work	Order	Page	_1 of	6_
Company Name:					Compa	any Nam	e:	Ear	thston	ne Ope	erating l	LC			Prog	ram: II				Brownfie s		
Address:	701 Tradewin	nds Blvd.			Addres	SS:					eld, Suit			-	State	of Pro	iect.] PR		Brownfie[_s	R[];	Sup
City, State ZIP:	Midland TX, 7	79701			-	tate ZIP:			land T			0 1000		-				Louis		PST/U		
Phone:	432-766-1918	8		Emai	: cmartir			-		7,151	01			-			EDD			_	TR	L
Project Name:	Daisy Duke	a 31 State Con	n #003H	1.000	n Around		1	1					-			ables.	EDU	1	ADa	aP10 Ot	her:	
Project Number:		236727	1 100011	Routine			Pres.	-	-	1		AM	NALYSI	S RE	QUEST	-	-	-	_	Prese	vative Co	odes
Project Location	E	ddy Co. NM	_	Due Date:			Code	-	+	-	+	-	-	-		-	-	-		None: NO	DI Wa	ater: H
ampler's Name:		Kenny Han		TAT starts the	dav recei	and hu the			ô											Cool: Cool	MeOH	I: Me
0#:				lab, if rec	eived by 4:	30pm			+ MRO)											HCL: HC	HNO3:	: HN
AMPLE RECEIF	PT Te	mp Blank:	Yes No	Wet Ice:	Yes	No	Parameters		+ DRO +	0										H ₂ S0 ₄ : H ₂	NaOH	: Na
eceived Intact:	Y		Thermom		113		ram	BTEX 8021B	+	4500										H ₃ PO ₄ : HP		
ooler Custody Seals		R	Correction	Factor:	-0	.Ui	Par	EX 8	GRO	Chloride									НОГВ	NaHSO ₄ : NA		
ample Custody Seals	s: Yes			ure Reading:	4.1			BT	SM (Chi									1	Na ₂ S ₂ O ₃ : Na	-	
otal Containers:		57 68 KH	Corrected	Temperature:	3.	52			TPH 8015M (GRO											Zn Acetate+N NaOH+Ascor		400
Sample Ident	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	1	TPH											1	e Commer	-
CS-1 (3	-	4/17/2023		x		Comp	1	x	x	x		-	-	-	+	-	-	-		Jampi	e commer	nts
CS-2 (3		4/17/2023		х		Comp	1	x	x	x		-	-	-	+	-	-	-				10
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	3")	4/17/2023		x		Comp	1	x	x	x		-	-			-	-					
	al Comments			de: EARTHS																		
ce: Signature of this doc ervice. Xenco will be lial enco. A minimum charg	e of \$85.00 will be	applied to each pr	oject and a cl	harge of \$5 for ea	ch sample s	y losses or submitted to	pany to Xe expenses i o Xenco, bu	inco, its incurred ut not a	s affiliate d by the malyzed	es and s client if . These	ubcontrac such loss terms will	tors. It as ses are du be enford	ssigns sta ue to circui ced unless	ndard t mstance previou	erms and as beyond usly nego	condition the contr tiated.	s ol					
Relinquished by: (Signature)	00	Received	by: (Signatur	e)			ate/Ti	-				by: (Sig				eived b	V: (Sig	inatur	(9)	Date/Tim	
Mill		OFOO	lig	ney	-		4182	3	133	7 2					-		511 50 0	J. (019	natul	0)	Date/Time	e





C Sup
G ² 2 4
Ρu
ve Codes
DI Water: H
MeOH: Me HNO ₃ : HN
NaOH: Na
: Zn
cid: SAPC
mments



Address:	NTG Environr 701 Tradewin	mental			DIII to:	(if differe	ent)	Chr	is Mar	rtin								1.4.4				
	701 Tradewin					any Name					erating	IIC			Dro		HOT				Comments	-
City, State ZIP:		ds Blvd.			Addres							ite 100	0	-		e of P			PR		Brownfie	R[]: Sup
	Midland TX, 7				City, S	tate ZIP:				X,797		100	•				-		evel	П	PST/U	
Phone:	432-766-1918	3		Email	: cmartin	n@earths	toneene									verable			CVCI			
Project Name:	Daisy Duke	31 State Con	n #003H		n Around			1												AD.		ier.
Project Number:		236727		✓ Routine	Ru		Pres.	-	T	1		1	MALY	SIS RE	QUES	r		-		-	Preser	vative Codes
roject Location	E	ddy Co, NM		Due Date:			Code		-	-				-	-	-					None: NO	DI Water: Ha
ampler's Name:		Kenny Han		TAT starts the	day receiv	ved by the			MRO)												Cool: Cool	MeOH: Me
0#:				lab, if rece	eived by 4:	30pm	yo .		+												HCL: HC	HNO3: HN
AMPLE RECEIP		mp Blank:	Yes No	Wet Ice:	Yes	No	Parameters		+ DRO	8											H ₂ S0 ₄ : H ₂	NaOH: Na
eceived Intact: poler Custody Seals:		es No	Thermome		11-	3	Iram	8021	+	e 4500											H ₃ PO ₄ : HP	
ample Custody Seals:		No N/A	Correction		-0.	501	P	BTEX 8021B	GR	Chloride										НОГВ	NaHSO4: NAE Na2S2O3: NaS	
otal Containers:	X Yes	No N/A 57 58 KM		ure Reading:		8			15M	5											Zn Acetate+N	
		7 38	Corrected	Temperature:	3,5	-			TPH 8015M (GRO													bic Acid: SAPC
Sample Identif		Date	Time	Soil	Water	Grab/ Comp	# of Cont		4													Comments
CS-21 (4	-	4/17/2023		x		Comp	1	x	x	x		-	-	+	-		-	-	-	-	oumpic	comments
CS-22 (3.		4/17/2023		x		Comp	1	x	x	x		+	-	+	-		-	-	-	_	2	
CS-23 (1	2	4/17/2023		х		Comp	1	x	x	x	-	+	-	+			-	-	-	_		
CS-24 (1		4/17/2023		х		Comp	1	x	x	x	-	+	+	+		-	-	+	+	-		
CS-25 (11		4/17/2023		x		Comp	1	x	x	x	-	-	+	+		-	-+	-	-	-		
CS-26 (3-1	-	4/17/2023		х		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		х		Comp	1	x	x	x	+		-	-		-	-	-	-	-		
SW-4 (0-3	5)	4/17/2023		x		Comp	1	x	x	x	+		-	-		+	-	-	-	-		



Work Order No: 4231859

Page 75 of 77

Project Manager:					Bill to:	(if differe	ent)	Chr	ris Ma	rtin										Page4	of 6
	NTG Environ				-	any Nam					erating LI	C		-	Der					Comments	
	701 Tradewir	nds Blvd.			Addre						eld, Suite			-	State	am: US of Proje	T/PS] PR		Brownfie s R	C Sup
City, State ZIP:	Midland TX,	79701			a contractor	State ZIP:				TX,797		1000		-					-		-
Phone:	432-766-1918	8		Emai		n@earth				1,191	01		-	-		ting:Lev				PST/U	ΡL
Project Name:	Daisy Duke	e 31 State Con	m #002U			-	Toneen	ayy.c	om						Delive	rables:	EDD	1	ADa	aP1 Other:	
Project Number:	Duisy Duite	236727	11 #003H	Tu √ Routine	rn Aroun		Pres.		-	-		AN	ALYSIS	S REC	UEST					Preservative	Codes
Project Location				-	Ru	ish	Code		-												Water: H
Sampler's Name:		ddy Co, NM Kenny Han	-	Due Date:					-												OH: Me
20 #:		nonny ridit	-	TAT starts the lab, if rec	e day recei eived by 4:	ved by the 30pm			MRO)					1							
SAMPLE RECEIP	T Te	mp Blank:	Yes No		6	1	ers		+												OH: Na
Received Intact:		es No	Thermom		Yes	No	Parameters	218	+ DR	4500				1						H ₃ PO ₄ : HP	
ooler Custody Seals:		N/A	Correction		10	10>	Para	BTEX 8021B	RO	ide									НОГВ	NaHSO4: NABIS	
ample Custody Seals		No N/A		ure Reading:	4	1. Coc		BTE	0)	Chloride									모	Na2S2O3: NaSO3	
otal Containers:		51 58 KM		Temperature:		5'L			8015M (GRO + DRO +											Zn Acetate+NaOH: Z	ľn
Sample Identi	fication			1		Grab/	# of	-	TPH 8											NaOH+Ascorbic Acid	: SAPC
		Date	Time	Soil	Water	Comp	Cont		F											Sample Com	monto
SW-5 (0-	-	4/17/2023		x		Comp	1	x	x	x		-				-	-			oumple com	ments
SW-6 (0-		4/17/2023		х		Comp	1	x	x	x		-			_	-	-				
SW-7 (3-		4/17/2023		x		Comp	1	x	x	x	-	-				-	-				
SW-8 (3-		4/17/2023		x		Comp	1	x	x	x		-			-	_	-		_		
SW-9 (4-		4/17/2023		x		Comp	1	x	x	x		-		-	_	-					
SW-10 (3	-	4/17/2023		x		Comp	1	x	x	x	-	-	-		_	-					_
SW-11 (4-		4/17/2023		x		Comp	1	x	x	-	-	-			_						
SW-12 (4-		4/17/2023		x		Comp	1	x	-	X	-	-		-							
SW-13 (3.5	5-4')	4/17/2023		x		Comp	1	-	X	X	-	-									
SW-14 (3-	-4')	4/17/2023		x		Comp	1	x	X	×	_	-									
	al Comments			de: EARTHS		* C	uste	m	×	×	ques	teck	2 -	0	cho	use	es.	-		14/23	
ce: Signature of this doc rvice. Xenco will be liab	cument and relingu	uishment of sample	les constitutes	s a valid purchase	e order fron	n client com	pany to Xe	nco, its	affiliate	es and e	heastract	the second						T.º	- 6	114/23	
ervice. Xenco will be liab enco. A minimum charge	e of \$85.00 will be	applied to each pr	shall not assuroject and a cl	ame any responsi harge of \$5 for ea	ibility for an	y losses or	expenses i	ncurred	by the	client if	such losse	s are due	to circum	nstance:	s beyond t	onditions he control					
Relinquished by: (S				by: (Signatur		- sometted to				. These	ennis will b	e eniorce	a uniess	previou	sly negotia	ated.					
111111					e)		1 1	ate/Tir	me		Relingu	uished b	by: (Sig	natur	e)	Rece	eived by	y: (Sig	natur	e) Date/T	Time
man		5400	deign	reg	>	4	41812	31	133	7 2											

Revised Date 05012020 Rev. 2020.1





Work Order No: 4831859

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Project Manager:	Becky Haske	1			Bill to:	(if differe	ent)	Chri	is Mar	tin							V	Vork C	Irdor	Page _		f6
Company Name:	NTG Environm	mental			Compa	any Nam	e:	Eart	thston	e Ope	rating LL	С			Progr					Brownfie		-
Address:	701 Tradewin	ds Blvd.			Addres						ld, Suite					of Proje		PR		srownfie		Sup
City, State ZIP:	Midland TX, 7	9701				tate ZIP:				X,797		1000		-				Lovol		PST/U	TOCh	
Phone:	432-766-1918	3		Email	: cmartir		toneene			A,131	/1			-		ables:				_		L
Project Name:	Daisy Duke	31 State Con	#00211					197.00	UIII	_			_	_	Denver	ables.	LUUL		ADa		ther:	
Project Number:	Dully Duke	236727	#003H	Routine	Rus		Pres.	-	1	1		ANA	LYSIS	REC	UEST		_	-		Prese	ervative C	odes
Project Location	E	ddy Co, NM				511	Code	-	-	-				_						None: NO	DI W	ater: H
Sampler's Name:		Kenny Han		Due Date:					10											Cool: Cool	MeO	H: Me
0#		(chiny rian		TAT starts the lab, if reco	e day receiv eived by 4:	or a second seco			+ MRO)											HCL: HC	HNO	3: HN
AMPLE RECEIF	PT Ter	mp Blank:	Yes No		Fes		Parameters		1 op											H ₂ S0 ₄ : H ₂	NaO	H: Na
eceived Intact:		es No	Thermome	1	112	NO	ame	0218	ă +	4500										H ₃ PO ₄ : HP		
ooler Custody Seals			Correction			.03	Par	BTEX 8021B	SRO	Chloride									ногр	NaHSO ₄ : N		
ample Custody Seal	s: Yes	No N/A		ure Reading:	4.	L		BTB	W	Chio									T	Na ₂ S ₂ O ₃ : N		
otal Containers:		558 KH		Temperature:	35	ċ			8015M (GRO + DRO											Zn Acetate+		
Sample Ident	ification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TPH											NaOH+Asco	le Comme	
SW-15 (0	0-6")	4/17/2023		x		Comp	1	x	x		-	-	+	-		_	-			Jamp	e comme	ents
SW-16 (4	4-6")	4/17/2023		x		Comp	1	x	x	x		-	+			-	-					
SW-17 (6	-11')	4/17/2023		x		Comp	1	x	x	x	-	-	+	_	-	-	+					
SW-18 (6	-11')	4/17/2023		x		Comp	1	x	x	x		+	+	-		-	-		-			
SW-19 (4	1-6')	4/17/2023		x		Comp	1	x	x	x		-	+	_	-	-	-					
SW-20 (6	5-8')	4/17/2023		x		Comp	1	x	x	x		-	+	-	-	-	-					
SW-21 (4	1-8')	4/17/2023		x		Comp	1	x	x	x	-	-	+	-		-	-		_		_	_
SW-22 (0)-4')	4/17/2023		x		Comp	1	x	x	x	-	-		-	-	-	-		_			
SW-23 (4-	-11')	4/17/2023		x		Comp	1	x	x	x		-		-		-	-		-			_
SW-24 (4-	-11')	4/17/2023		x		Comp	1	x	x	x		-		-		-			_			
	nal Comments			de: EARTHS																		
ice: Signature of this do ervice. Xenco will be lia enco. A minimum char	cument and reling able only for the co ge of \$85.00 will be	uishment of sampl st of samples and applied to each p	les constitutes shall not assu roject and a c	s a valid purchas ume any respons harge of \$5 for ea	e order from ibility for an ach sample	n client com ny losses or submitted t	expenses o Xenco, b	incurred ut not a	d by the	es and si client if	such losses	s are due	igns stand to circums	lard to	erms and o	onditions the contro	el el					
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Project Manager:	Becky Haske				Bill to:	(if differe	ent)	Ch	ris Ma	rtin												_6 of
	NTG Environ	mental			1	any Nam					eratin	g LLC		-	-	Drawn					r Comments	-
Address:	701 Tradewin	ids Blvd.			Addre							Suite 10			-	Program State of				R[]	Brownfie s	R[]: S
City, State ZIP:	Midland TX, 7	79701			1	State ZIP:			lland 1			uite n	000	-	-	Reportin	-		Louis		PST/U	
Phone:	432-766-1918	3		Email		n@earth				11,10	101			_	-	Deliveral						TR
Project Name:	Daisy Duke	31 State Con	n #003H		n Aroun			T		_		_		-			uies.	cou		AD	aP1 Oth	er:
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ampler's Name:		Kenny Han		TAT starts the	day ment	und by the	-		6												Cool: Cool	MeOH: Me
0#:			_	lab, if rece	eived by 4:	:30pm			+ MRO)												HCL: HC	HNO3: HN
AMPLE RECEIP	Т Те	mp Blank:	Yes No	Wet Ice:	Ye	s No	Parameters														H ₂ S0 ₄ : H ₂	NaOH: Na
eceived Intact:	6	es No	Thermom	eter ID:	TI	2	am	BTEX 8021B	+	4500											H ₃ PO ₄ : HP	
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mple Custody Seals tal Containers:	Yes	NO N/A		ure Reading:		12		1	SM (CH										1	Na ₂ S ₂ O ₃ : NaS	
tai containers.		\$1 58 KH	Corrected	Temperature:	3.5	52			TPH 8015M (GRO + DRO												Zn Acetate+Na NaOH+Ascorb	
Sample Identi		Date	Time	Soil	Water	Grab/ Comp	# of Cont		H													Comments
SW-25 (0-		4/17/2023		x		Comp	1	x	x	x	+			-+	-		+	-	-	+	oumpie	comments
SW-26 (0-	7	4/17/2023		x		Comp	1	×	x	x	+			-	-		+	-	-	-		
SW-27 (3-		4/17/2023		х		Comp	1	x	x	x	1		-	-+	-		+	-	-	-		
SW-28 (3-		4/17/2023		x		Comp	1	x	x	x	+		-	-+	-		+	+	-	-		
SW-29 (3-	-	4/17/2023		x		Comp	1	x	x	x	-		-	-	-		-	-	-	-		
SW-30 (0-		4/17/2023		x		Comp	1	x	x	x	1		-	-	-		-	-	-	-		
SW-31 (0-		4/17/2023		x		Comp	1	x	x	x			-	-	-	-	-	-		-		-
Sw-32 ((3-11)	4 18/23		х		Comp	1	X	x	x												
Addist	10																					
	al Comments			de: EARTHS1		+	+ C	us	ton	w		ea	110	te	0	ID	COL	2		2	40.6/1	ula
e: Signature of this doc vice. Xenco will be liab nco. A minimum charge	ument and relingu- le only for the cost of \$85.00 will be	uishment of samples and applied to each provide the samples and provide the samples and provide the same same same same same same same sam	es constitutes shall not assu roject and a cl	s a valid purchase ume any responsi harge of \$5 for ea	e order from bility for an ch sample	n client com	npany to X	enco, it	s affiliat	es and	subcon	tractors.	It assign	ns stand	and to	some and see	dist	in	x.		1: .0/	10)
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tle 05012020 Rev. 2020.1



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/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 07-Jun-23 17:19
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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

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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			
				4A (0-3 269-01 (Se	<i>,</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	3050930	AC	09-May-23	4500-Cl-B	
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		
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	
Surrogate: 1-Chlorooctadecane			71.8 %	49.1	-148	3050907	MS	09-May-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	176		16.0	mg/kg	4	3050930	AC	09-May-23	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method 8	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 (Pl	ID)		104 %	71.5	-134	3050911	JH/	10-May-23	8021B	
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	
Surrogate: 1-Chlorooctadecane			52.0 %	49.1	-148	3050907	MS	09-May-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706			Project: DAISY DUKE 31 STATE COM #003 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
Cardinal Laboratories										
<u>Inorganic Compounds</u> Chloride	368		16.0	mg/kg	4	3050930	AC	09-May-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	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 (PL	D)		102 %	71.5	-134	3050911	JH/	10-May-23	8021B	
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	
Surrogate: 1-Chlorooctadecane			91.3 %	49.1	-148	3050907	MS	10-May-23	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. MIDLAND TX, 79706	SUITE C	Project: DAISY DUKE 31 STATE COM #003 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
Cardinal Laboratories										
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	3050930	AC	09-May-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	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 (PL	ID)		102 %	71.5	-134	3050911	JH/	10-May-23	8021B	
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			83.6 %	48.2	-134	3050907	MS	10-May-23	8015B	
Surrogate: 1-Chlorooctadecane			85.3 %	49.1	-148	3050907	MS	10-May-23	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Inorganic Compounds - Quality Control

Cardinal Laboratories										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%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. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 07-Jun-23 17:19	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal	Laboratories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3050911 - Volatiles										
Blank (3050911-BLK1)				Prepared: (9-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: (9-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: (9-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. Keine

Celey D. Keene, Lab Director/Quality Manager



NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: Project Number: Project Manager: Fax To:		Reported: 07-Jun-23 17:19	
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories	Cardina	Labor	atories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3050907 - General Prep - Organics										
Blank (3050907-BLK1)				Prepared &	Analyzed:	09-May-2	3			
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-2	3			
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-BSD1)				Prepared: (9-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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer 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 damage 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 su 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. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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10/31/

OCD:

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Received



Chain of Custody

Work Order No: H23226

1 of 1 Page Work Order Comments Bill to: (if different) Chris Martin Project Manager: Becky Haskell Program: UST/PS PR Brownfie s RC Supe Earthstone Operating LLC Company Name: Company Name: NTG Environmental State of Project: Address: 600 N. Marienfeld, Suite 1000 701 Tradewinds Blvd. Address: L Reporting:Level Level PST/U TR Midland TX,79701 City. State ZIP: Midland TX, 79701 City, State ZIP: Deliverables: EDD ADaP1 Other: Phone: 432-766-1918 Email: cmartin@earthstoneenergy.com ANALYSIS REQUEST **Preservative Codes** Daisy Duke 31 State Com #003H Project Name: **Turn Around** Pres. DI Water: H₂O Routine None: NO Rush 236727 Project Number: Code MeOH: Me Cool: Cool Project Location Eddy Co, NM Due Date: 8015M (GRO + DRO + MRO) HCL: HC HNO3: HN Kenny Han TAT starts the day received by the Sampler's Name: lab, if received by 4:30pm H2S04: H2 NaOH: Na PO #: H₃PO₄: HP Chloride 4500 SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Yes No Paramet **BTEX 8021B** НОГВ NaHSOA: NABIS Yes No Thermometer ID: Received Intact: Na2S2O3: NaSO3 Yes No (N/A) Correction Factor: Cooler Custody Seals: Zn Acetate+NaOH: Zn N/A Temperature Reading: Sample Custody Seals: Yes No NaOH+Ascorbic Acid: SAPC Corrected Temperature: Total Containers: 4 _ TPH Grab/ # of Sample Comments Sample Identification Date Time Soil Water Cont Comp Comp 1 X х SW-4A (0-3') 5/8/2023 х х SW-12A (042) (4-11 Comp 1 х х 5/8/2023 X х CS-16A (3-6') 5/8/2023 х Comp 1 X х X CS-27 (10) 5/8/2023 Comp 1 х х х х Xcustomer requested sample ID change. shaking tallas Billing Code: EARTHSTONE Additional Comments: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order fright cliner company to Xenco. Its anihates and subcontractors ms standard terms and conditions Man 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 chent 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. Date/Time Relinquished by: (Signature) Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) Date/Time 505 5-8-23

Revised Date 05012020 Rev.

Page 11



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 accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM #003H	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY, NM		

Sample ID: CS - 27 (3') (H232493-01)

BTEX 8021B	mg,	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze						
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	Analyze	Analyzed 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	urrogate: 1-Chlorooctane 100 % 48.2		4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	05/17/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM #003H	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY, NM		

Sample ID: SW - 6A (0-3') (H232493-02)

BTEX 8021B	mg,	/kg	Analyze	d 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*	oenzene* <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 BTEX	<0.300	0.300	05/20/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Chain of Custody

Work Order No: <u>H232493</u>

Page 1 of 1 Project Manager: Becky Haskell Bill to: (if different) Chris Martin Work Order Comments Company Name: NTG Environmental Company Name: Earthstone Operating LLC Program: UST/PS PR Brownfie s R Supe Address: 701 Tradewinds Blvd. Address: 600 N. Marienfeld, Suite 1000 State of Project: City, State ZIP: Midland TX, 79701 City, State ZIP: Midland TX,79701 Reporting:Level Level PST/U TRP LeDel Phone: 432-766-1918 Email: cmartin@earthstoneenergy.com Deliverables: EDD ADaPT Other: Project Name: Daisy Duke 31 State Com #003H **Turn Around** ANALYSIS REQUEST **Preservative Codes** Project Number: Pres. 236727 ✓ Routine Rush Code None: NO DI Water: H₂O **Project Location** Eddy Co. NM Due Date: Cool: Cool MeOH: Me Sampler's Name: Kenny Han MRO) TAT starts the day received by the HCL: HC HNO3: HN PO # lab, if received by 4:30pm 2 8015M (GRO + DRO + H2S04: H2 NaOH: Na SAMPLE RECEIPT Temp Blank: Yes No Wet Ice: Paramete Yes No 4500 8021B HaPOA: HP Received Intact: Les No Thermometer ID: 12 Chloride HOLD NaHSO4: NABIS Cooler Custody Seals: Yes No BTEX 8 N/A Correction Factor: 0.10 Na2S2O3: NaSO3 Sample Custody Seals: Yes No M/A Temperature Reading: 5 06 Zn Acetate+NaOH: Zn Total Containers: 2 Corrected Temperature -5 lo c NaOH+Ascorbic Acid: SAPC TPH Sample Identification Grab/ # of Date Time Soil Water Cont Sample Comments Comp CS-27 (3') 5/16/2023 X Comp 1 х х х SW-6A (0-3') 5/16/2023 х Comp 1 х х х Additional Comments: 1217 Billing Code: EARTHSTONE 5/17/23 otice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Relinquished by: (Signature) Received by (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)/ Date/Time 5/17/23 X:45 5-17-23

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Revised Date 05012020 Rev. 2020.1



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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	05/31/2023	Sampling Date:	05/24/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

Sample ID: SW - 22A (0-8') (H232768-01)

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	d 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	Analyze	d 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	ogate: 1-Chlorooctane 73.5 % 48.2-13-		4						
Surrogate: 1-Chlorooctadecane	73.3	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1232768

Page 4 of 4

Project Manager:	Becky Haskell				Bill to: (i	if differer	nt)	Chris	s Marti	in							Comment				
Company Name:	NTG Environn	nental			Company Name: Earthstone Operating LLC						Program: UST/PS PR Brownfie R Supe										
Address:	701 Tradewing				Address: 600 N. Marienfeld, S			I, Suite 10		State of Project:						_					
City, State ZIP:	Midland TX, 7	9701			City, Sta	ate ZIP:		Midla	and T)	K,7970	1			Reporting:Level Level PST/U TRP Le							
Phone:	432-766-1918			Email:	cmartin	@earths	toneene	rgy.co	m					Deliv	erable	s: EDD		ADal	P10 (Other:	
Project Name:	Daisy Du	uke 31 State C	om	Turr	n Around							ANAL	YSIS RI	QUEST	r .			_	Pres	ervative (Codes
Project Number:		236727		Routine	Rusi	h	Pres. Code	1.			1.0		11			-			None: NO	DIV	Nater: H ₂ C
Project Location	E	ddy Co, NM		Due Date:															Cool: Cool	Med	OH: Me
Sampler's Name:		ordan Tyner		TAT starts the					IRO)										HCL: HC	HNO	O3: HN
PO #:				lab, if rece	eived by 4:3	l0pm	2		+										H ₂ S0 ₄ : H ₂	NaC	DH: Na
SAMPLE RECE	IPT Te	mp Blank:	Yes No	Wet Ice:	Yes	No	nete	8	DRO	200									H ₃ PO ₄ : HF		
Received Intact:	(Y	es No	Thermom	eter ID:	110	No N		BTEX 8021B	÷ 0	Chioride 4500								НОГВ	NaHSO4: 1		
Cooler Custody Sea	ils: Yes	No NA	Correction	n Factor:		60	A	TEX	TPH 8015M (GRO + DRO + MRO)	lar								Ŧ	Na2S2O3: 1		
Sample Custody Se	als: Yes	No N/A	Temperat	ure Reading:		22			15M	ō										+NaOH: Zi	
Total Containers:		3	Corrected	Temperature:	3,	loc			H 80										NaOH+As	corbic Acid:	SAPC
Sample Ide	ntification	Date	Time	Soil	Water	Grab/ Comp	# of Cont		4										Sam	Sample Comme	
SW-22/	A (0-8')	5/24/2023		x		Comp	1	x	x	x									1		
	ional Commen			ode: EARTHS																	
lotice: Signature of thi if service. Xenco will b if Xenco. A minimum Relinguished b	be liable only for the charge of \$85.00 will	cost of samplas an	d shall not a project and	sume any respon	each sampl	any losses	or expense	es incur	red by ti t analyz	he client	f such losse terms will b	es are due be enforce	to circums	tances bey reviously n	ond the	control	by: (S	ignatu	ure)	Date	/Time



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.

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	05/31/2023	Sampling Date:	05/24/2023
Reported:	06/02/2023	Sampling Type:	Soil
Project Name:	DAISY DUKE 31 STATE COM	Sampling Condition:	Cool & Intact
Project Number:	236727	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY NM		

Sample ID: SW - 23A (8-11') (H232769-01)

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	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	Analyze	d 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	urrogate: 1-Chlorooctane 79.9 % 48.2-134		4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

w we	Relinquished by: (Signature)	ot Xenco.	Notice: Si	Addition	51	9:44	+: 33					SW-23A (8-11')	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO 井	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone: 43	City, State ZIP: Mi	-	Company Name: N	Project Manager: Be		C	age 19.	> 0	
C	(Signature)	dide on the oncoe to abit	ocument and relinquishn iable only for the cost of	Additional Comments:	_										Yes N	Yes				Jordan Tyner	Eddy Co, NM	236727	Daisy Duke 31 State Com	432-766-1918	Midland TX, 79701	701 Tradewinds Blvd	NTG Environmental	Becky Haskell		ENVIRONMENTAL	1		
luare	HILL R	Distant in the second s	nent of samples of samples and sha samples and sha harding to each project to	Bill	-			-	-			5/24/2023	Date Ti	Con						Tyner	, NM	27	State Com										
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1	1 (almelific)	natural / /	sponsibility for any for each sample su	THSTONE									Water c		N-U	4.2	EL.	Xes No	Contract for some	TAT starts the day received by the		Rush	Turn Around	ail: cmartin@earthstoneenergy.com	City, State ZIP:	Address:	Company Name:	Bill to: (it different)	Dill 1-1 /26 410				
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	3 134	but not analyzed. Ti Date/Time	its affiliates an red by the clie t analyzed. The							affiliates and							××	+	TPH 8015M (GRO + DRO + MRO) Chloride 4500				+	-		Midland 1X, /9/01	. Manente	Earthstone Uperating LLC	Marun	Martin			citalli of oustony
77 4	Co ····································	Relinquished by: (Signature)	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 Notice: Signature of this document and relinquishment 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 service. A subcurre of test on 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.																				ANALYSIS REQUEST			600 N. Manenteid, Suite 1000						July	
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	Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	+NaOH: Zn	laSO ₃	IABIS		NaOH: Na	HNO HN	MeOH- Me	NO DI Water H.O	nuative Codes	Other:		t	RIC Supe		_10f1	0167	200		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

Operator:	OGRID:
Earthstone Operating, LLC	331165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	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

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Action 281373