

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	nAPP2304056216
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.282943 Longitude -104.268170
(NAD 83 in decimal degrees to 5 decimal places)

Site Name McCord Enterprises 23 WCA #002H	Site Type Production Pad
Date Release Discovered 1/27/23	API# (if applicable) 30-015-44282

Unit Letter	Section	Township	Range	County
M	23	23S	26E	Eddy

Surface Owner: State Federal Tribal Private (Name: Almond Opportunity LLC)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 14	Volume Recovered (bbls) 10
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Loss of air supply to the separator which caused the dump valve to hang open.

Oil Conservation Division

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Rebecca Haskell</u> Title: <u>Senior Project Magager</u> Signature: <u>Rebecca Haskell</u> Date: <u>2/9/23</u> email: <u>bhaskell@ntglobal.com</u> Telephone: <u>432-766-1918</u>
<u>OCD Only</u> Received by: _____ Date: _____

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Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Rebecca Haskell Title: Senior Project Magager

Signature: Rebecca Haskell Date: 7/18/23

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

OCD Only

Received by: Shelly Wells Date: 7/21/2023

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Remediation Plan

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

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

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

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

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

Printed Name: Rebecca Haskell Title: Senior Project Magager
 Signature: Rebecca Haskell Date: 7/18/23
 email: bhaskell@ntglobal.com Telephone: 432-766-1918

OCD Only

Received by: Shelly Wells Date: 7/21/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2304056216
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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 Magager
 Signature: Rebecca Haskell Date: 7/18/23
 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

July 18, 2023

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

**Re: Site Characterization and Deferral/Closure Request
McCord Enterprises 23 WCA #002H
Earthstone Operating, LLC
Site Location: Unit M, S23, T23S, R26E
(Lat 32.282943°, Long -104.268170°)
Eddy County, New Mexico
Incident ID: nAPP2304056216**

1. Introduction

On behalf of Earthstone Operating, LLC (Earthstone), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Deferral/Closure Report for the NMOCD District 2 Office in Artesia, New Mexico for documentation of site assessment, remedial action activities, and analysis at the McCord Enterprises 23 WCA #002H (Site). The Site is located within Unit Letter M, Section 23 of Township 23 South and Range 26 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.282943° N latitude and -104.268170° W Longitude. The release occurred on private land owned by Almond Opportunity LLC. Figure 1 depicts the site location with respect to the nearest town and Figure 2 shows the topographic map of the site.

2. Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release occurred on January 27, 2023. The release was due to a loss of air supply to the separator which caused the dump valve to remain open. Approximately fourteen (14) barrels (bbls) of crude oil were released, of which ten (10) bbls were recovered, which resulted in an approximate net loss of four (4) bbls of crude oil. Upon discovery, the well was shut-in, and area secured with free liquids removed via a vacuum truck. The release footprint is shown on Figure 3. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 for incident number nAPP2304056216 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 half mile radius of the location. No other receptors (water wells, playas, wetlands, waterways, lakebeds or

Mr. Mike Bratcher
 July 18, 2023
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ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst map the site is located within a High Karst area. The site characterization documentation (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 (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
High	Unknown

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

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

4. Soil Delineation Activities and Analytical Results

On January 30, 2023, NTGE was onsite to conduct an initial delineation assessment whereby three (3) vertical sample points (S-1 through S-3) and five (5) horizontal sample points (H-1 through H-5) were installed to delineate the area. The samples were collected from depths ranging from zero (0) to three and a half (3.5) feet (ft) below ground surface (bgs) with a geotechnical hand auger and submitted to Eurofins Laboratory in Midland Texas for analyses of benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015 modified, and chloride by EPA Method 300.0. Analysis indicated that one (1) sample (S-1 at 2'-2.5') exhibited a chloride concentration that exceeded Table I Closure Criteria. Figure 3 depicts the initial delineation sample locations, with analytical results provided on Table 1, Summary of Soil Analytical Data, Laboratory reports are included in Appendix E.

5. Remedial Action Activities and Confirmation Sampling

Based on the initial assessment results, 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. All confirmation samples were five (5) point composites, collected from areas representing no more than two hundred (200) square feet. The samples were submitted to Cardinal Labs of Hobbs, New Mexico for analysis of BTEX by EPA Method 8021B, TPH by EPA Method 8015M, or chlorides by EPA Method

Mr. Mike Bratcher
July 18, 2023
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SM4500CI-B.

Upon completion of initial excavation activities, NTGE was on site April 10, 2023, to collect thirteen (13) base composite samples (CS-1 through CS-13) and six (6) sidewall composite samples (SW-1 through SW-6). Additionally, on April 4, 2023, four (4) deferral samples (VD-1 through VD-4) were collected at (2'-2.5') ft bgs for VD-1 through VD-3 and (3'-3.5') ft bgs for VD-4 to ensure the vertical delineation was achieved within the deferral area adjacent to the onsite vertical heater treaters. Analytical results indicated that CS-6, CS-12, SW-4, and SW-5 exhibited chloride concentrations above Table 1 Closure Criteria with SW-5 also exhibiting TPH concentrations above Table 1 Closure Criteria. All other samples were below Table I Closure Criteria. Based on the analytical results, NTGE and Standard further excavated the impacted areas.

On April 20, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby five (5) composite bottom hole confirmation samples (CS-6A, CS-12A, and CS-14 through CS-16) and seven (7) sidewall composite samples (SW-4A, SW-5A, SW-7 through SW-11) were collected and submitted for analysis. All confirmation samples exhibited concentrations below Table I Closure Criteria.

After further excavation, NTGE returned to the site on April 28, 2023, to collect two (2) bottom hole confirmation samples (CS-17 and CS-18), one (1) sidewall composite sample (SW-12), and two (2) deferral samples (VD-5 and HD-6). The samples were collected and submitted to the laboratory for analysis. All confirmation samples exhibited concentration results were below Table I Closure Criteria with the exception of CS-17 which exhibited chloride concentrations above Table I Closure Criteria. Based on the analytical results, NTGE and Standard further excavated the impacted area.

On May 4, 2023, after further excavation by Standard, NTGE conducted a confirmation sampling event, whereby one (1) composite bottom hole (CS-17A) and one (1) sidewall composite sample (SW-13) were collected and submitted for analysis. Analytical results indicated concentrations were below the Table I Closure Criteria. See Table 2 for analytical results and Figure 4 for sampling locations. Laboratory Analytical Reports are provided in Attachment E. A photographic log is provided as Attachment B and Confirmation Sampling Notifications are provided as Attachment C.

On May 2, 2023, NTGE on behalf of Earthstone submitted an email requesting an extension for the project remediation activities. The extension was granted on May 3, 2023, by the NMOCD until July 27, 2023. See Attachment D for the extension request and approval.

6. Soils Disposition and Backfill Activities

Between April 13 and May 18, 2023, approximately 244.33 tons of impacted material was transported offsite for disposal at Lea Land, LLC located thirty (30) miles East of Carlsbad, New Mexico. Upon completion of the excavation, the site was backfilled with like-sourced materials and brought up to surface grade. Manifests are available upon request and aren't included in this report due to the size of the file.

Mr. Mike Bratcher
July 18, 2023
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7. Closure and Deferral Request

Based on the assessment, remediation efforts, and requisite confirmation sampling, the Site is in compliance with NMOCD regulatory standards with the exception of the area within the berm around the onsite vertical heater treaters. Further remediation of the area around the vertical heater treaters was not feasible due to tight quarters and without destabilizing the equipment. As such, approximately one (1) to two (2) feet of impacted soil was left in-situ at the site (based on deferral samples VD-1 through VD-5) within a surface area of approximately one thousand one hundred and twenty-nine (1,129) square feet. Based on the supporting documentation provided in this report, NTGE, on behalf of Earthstone respectfully requests closure for nAPP2304056216 with deferral of soils left in-situ above NMOCD standards near soil samples VD-1 through VD-5, until time of abandonment or upgrade of equipment allows for accessibility to the area. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of the NMOCD form C-141 are included at the front of this report.

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

Sincerely,
NTG Environmental



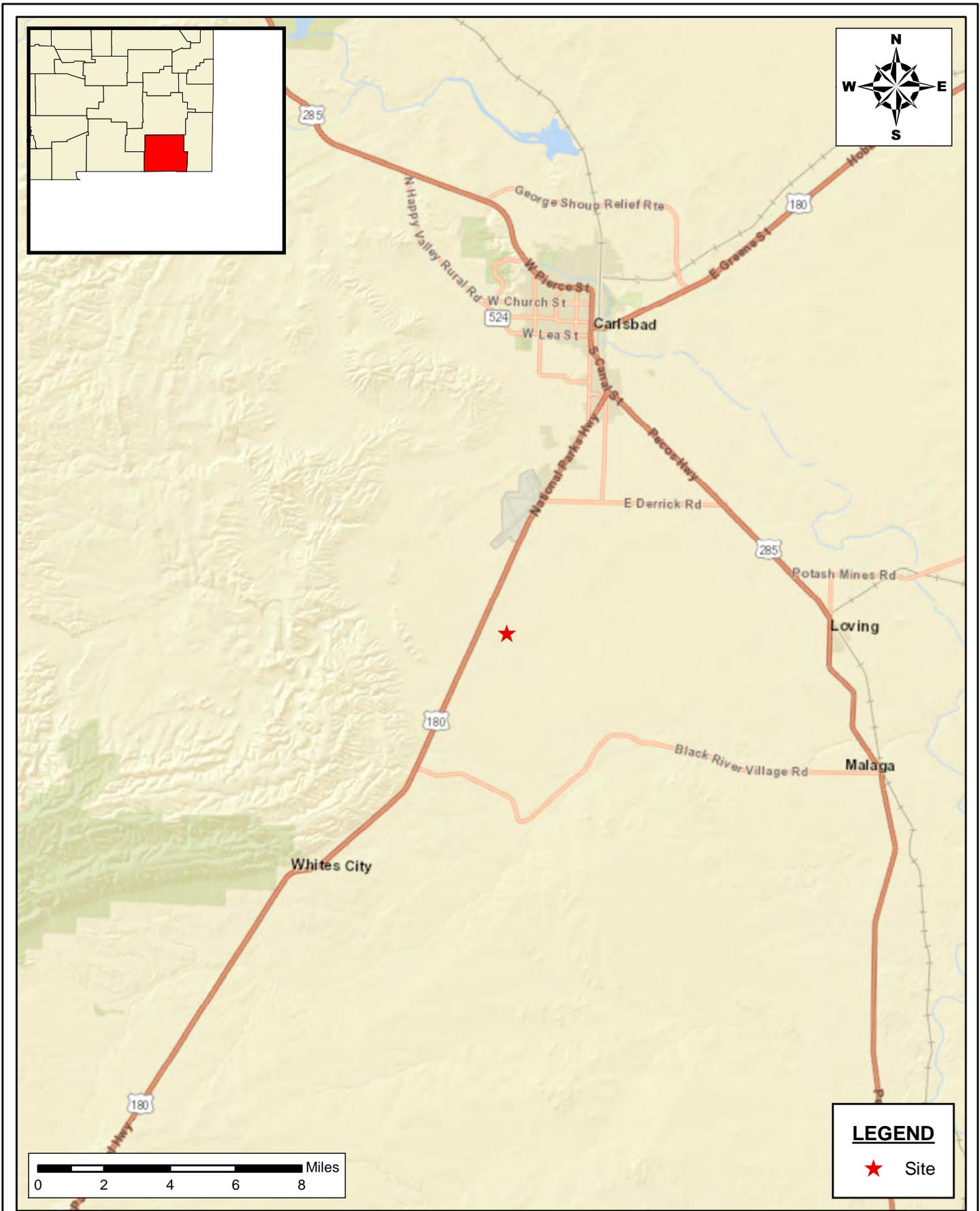
Jeff Kindley, P.G
Senior Project Manager/Geologist

Attachments:

- Figure 1 – Area Location Map
- Figure 2 – Topographic Map
- Figure 3 – Delineation Sample Location Map
- Figure 4 – Confirmation/Deferral Sample Location Map
- Table 1 Summary of Soil Analytical Data – Delineation Samples
- Table 2 Summary of Soil Analytical Data – Confirmation/Deferral Samples
- Attachment A – Site Characterization Documentation
- Attachment B – Photographic Log
- Attachment C – Confirmation Sampling Notifications
- Attachment D – NMOCD Extension Request and Response
- Attachment E – Laboratory Reports and Chain-of-Custody Document

FIGURES

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LEGEND

★ Site

Site Location Map
 Earthstone Energy
 McCord Enterprise 23 WCA #002H
 Eddy County, New Mexico
 32.282943°, -104.268170°

SCALE: As Shown DATE: 2/22/2023 PROJECT #: 236891

NTG
 ENVIRONMENTAL

New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
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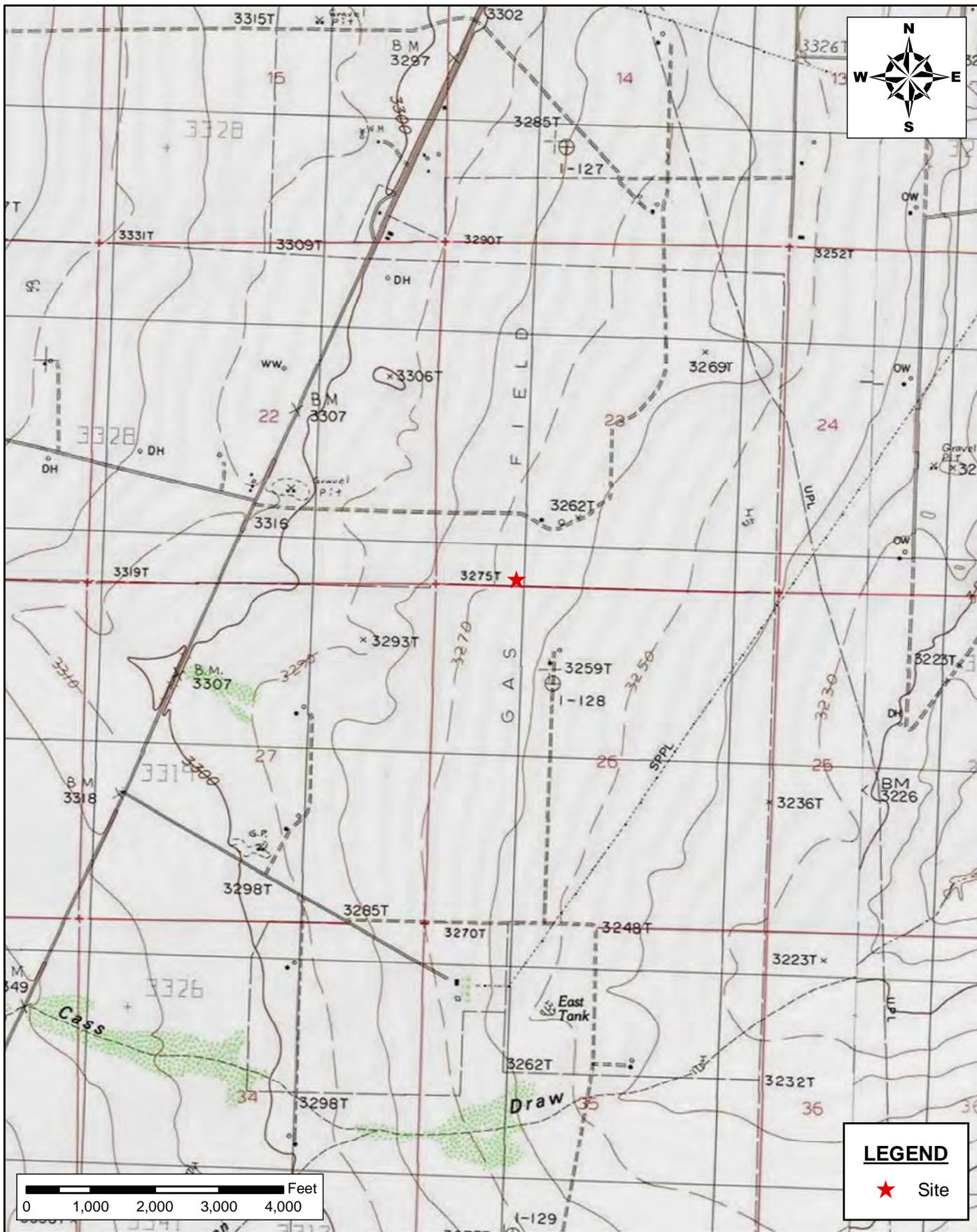
NOTES:

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

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FIGURE 1

SHEET NUMBER:
1 of 1

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Topographic Map Earthstone Energy McCord Enterprise 23 WCA #002H Eddy County, New Mexico 32.282943°, -104.268170°		
SCALE: As Shown	DATE: 2/22/2023	PROJECT #: 236891

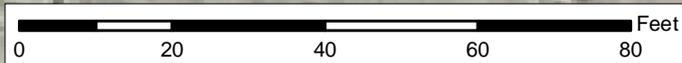
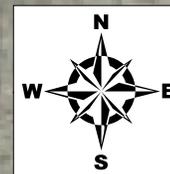

NTG
 ENVIRONMENTAL

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FIGURE 2
SHEET NUMBER:
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LEGEND

- Vertical Delineation Sample
- Horizontal Delineation Sample
- Area of Concern

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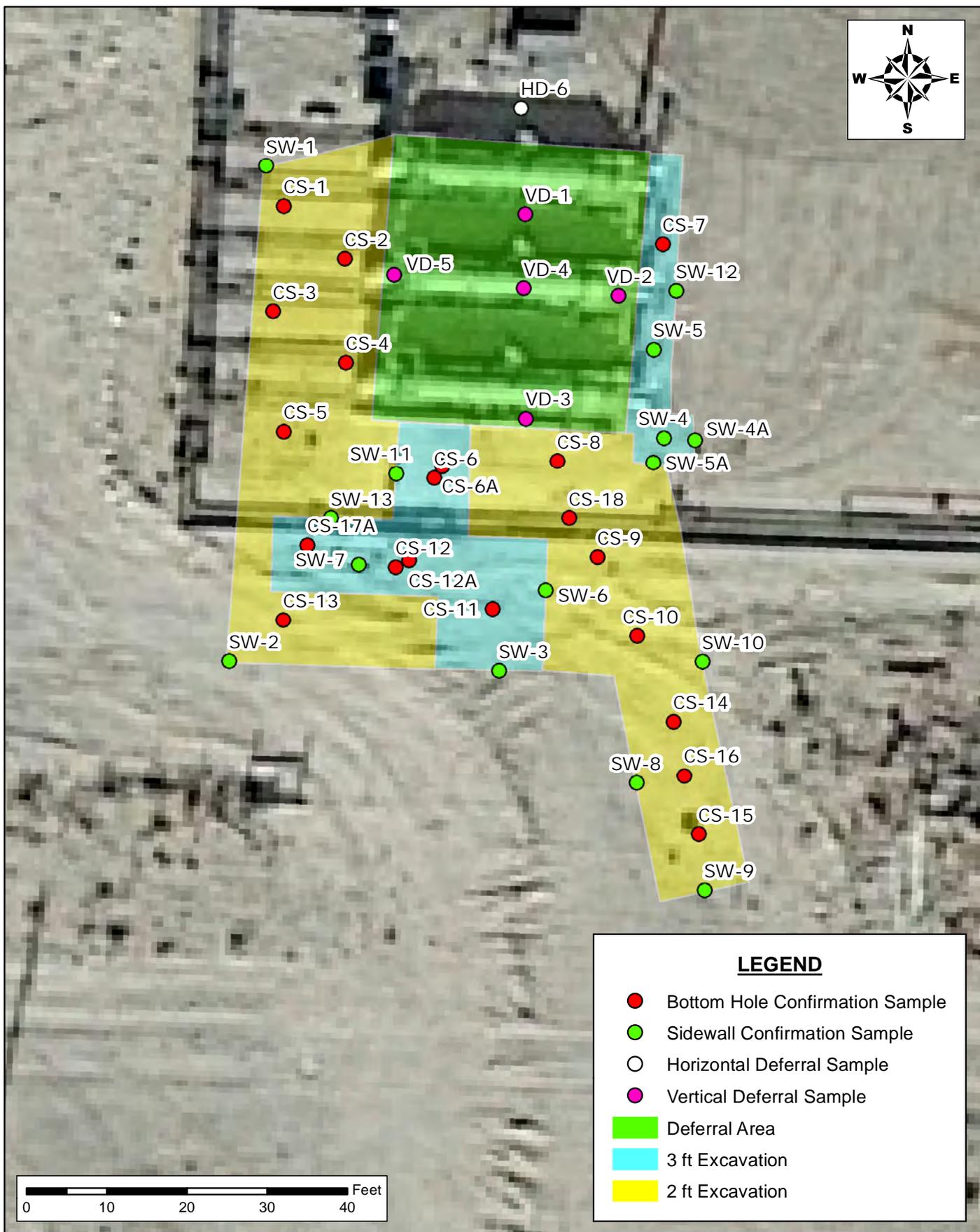
Delineation Sample Location Map
 Earthstone Energy
 McCord Enterprise 23 WCA #002H
 Eddy County, New Mexico
 32.282943°, -104.268170°


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

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FIGURE 3
 SHEET NUMBER:
1 of 1

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Confirmation/ Deferral Sample Location Map
 Earthstone Energy
 McCord Enterprise 23 WCA #002H
 Eddy County, New Mexico
 32.282943°, -104.268170°


New Tech Global Environmental, LLC
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NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983 UTM Zone 13N

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FIGURE 4
 SHEET NUMBER:
1 of 1

SCALE: As Shown DATE: 5/17/2023 PROJECT #: 236891

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
 Earthstone Operating, LLC
 McCord Enterprises 23 WCA #002H
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	50 mg/kg	
Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC													
Initial Assessment - Vertical Delineation Samples													
S-1	01/30/23	(2'-2.5')	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	2,230
	01/30/23	(3'-3.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	84.3	84.3	<49.9	84.3	326
S-2	01/30/23	(2'-2.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	93.9
	01/30/23	(3'-3.5')	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	<5.00
S-3	01/30/23	(1'-1.5')	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	<4.99
	01/30/23	(2'-2.5')	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	<4.95
	01/30/23	(3'-3.5')	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	52.5
Initial Assessment - Horizontal Delineation Samples													
H-1	01/30/23	0-6"	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	5.26
H-2	01/30/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	253
H-3	01/30/23	0-6"	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	64.5
H-4	01/30/23	0-6"	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	394
H-5	01/30/23	0-6"	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	343

- Notes:
- 1. Values reported in mg/kg
 - 2. < = Value Less Than Reporting Limit (RL)
 - 3. Bold indicates Analyte Detected
 - 4. BTEX analyses by EPA Method SW 8021B
 - 5. TPH analyses by EPA Method SW 8015 Mod.
 - 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
 - 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
 - 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

~~SP-1~~ Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation /Deferral Samples
 Earthstone Operating, LLC
 McCord Enterprises 23 WCA #002H
 Eddy County, New Mexico

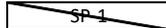
Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)	
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)		
								10 mg/kg	---	---	---	50 mg/kg		---
Table 1 Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC														
Confirmation Assessment Samples														
CS-1	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-2	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-3	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-4	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.4	17.4	<10.0	17.4	17.4	448
CS-5	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-6	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
CS-6 A	04/20/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-7	04/10/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96
CS-8	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-9	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-10	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-11	04/10/23	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-12	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.8	16.8	<10.0	16.8	16.8	1,040
CS-12 A	04/20/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-13	04/10/23	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-14	04/20/23	(2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-15	04/20/23	(2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-16	04/20/23	(2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
CS-17	04/28/23	(2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	912
CS-17A	05/04/23	(3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	11.3	176
CS-18	04/28/23	(2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	592
Sidewall Confirmation Samples														
SW-1	04/10/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32	32	<10.0	32	32	112
SW-2	04/10/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.3	38.3	<10.0	38.3	38.3	256
SW-3	04/10/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-4	04/10/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38	38	<10.0	38	38	4,480
SW-4A	04/20/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-5	04/10/23	2'-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	100	100	19.1	119.1	119.1	5,120
SW-5A	04/20/23	(2-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-6	04/10/23	2'-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-7	04/20/23	(2-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-8	04/20/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-9	04/20/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64
SW-10	04/20/23	(0-2')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32

Table 2
Summary of Soil Analytical Data - Confirmation /Deferral Samples
 Earthstone Operating, LLC
 McCord Enterprises 23 WCA #002H
 Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)	
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)		
								Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC						
			10 mg/kg	---	---	---	50 mg/kg	---	---	100 mg/kg	---	100 mg/kg	600 mg/kg	
SW-11	04/20/23	(2-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96
SW-12	04/28/23	(0-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	448
SW-13	05/04/23	(2-3')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.3	11.3	<10.0	11.3	112	
Vertical Deferral Samples														
VD-1	04/04/23	(2-2.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
VD-2	04/04/23	(2-2.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
VD-3	04/04/23	(2-2.5)	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	464
VD-4	04/04/23	(3-3.5')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
VD-5	04/28/23	(1')	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160
Horizontal Deferral samples														
HD-6	04/28/23	(0-6")	<0.050	<0.050	<0.050	<0.150	<0.300	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	400

Notes:

- 1. Values reported in mg/kg
- 2. < = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B
- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

 Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

Site Characterization

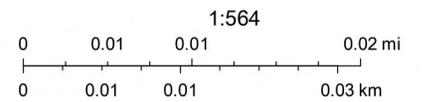
Released to Imaging: 12/28/2023 2:12:02 PM

Received by OCD: 7/21/2023 12:00:18 AM



5/19/2023, 10:56:49 AM
Karst Occurrence Potential

- High
- Medium



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

OSE POD Locations Map



5/19/2023, 11:11:51 AM

GIS WATERS PODs

- Active
- Pending

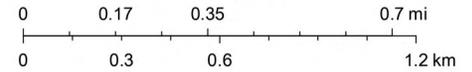
OSE District Boundary

NHD Flowlines

— Stream River

Site Boundaries

1:18,056



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

Web Generated Map
Map is generated by web users.

McCord Enterprises 23 WCA #002H

Karst Potential Map

Legend

-  High
-  Low
-  Medium
-  Site

 Site

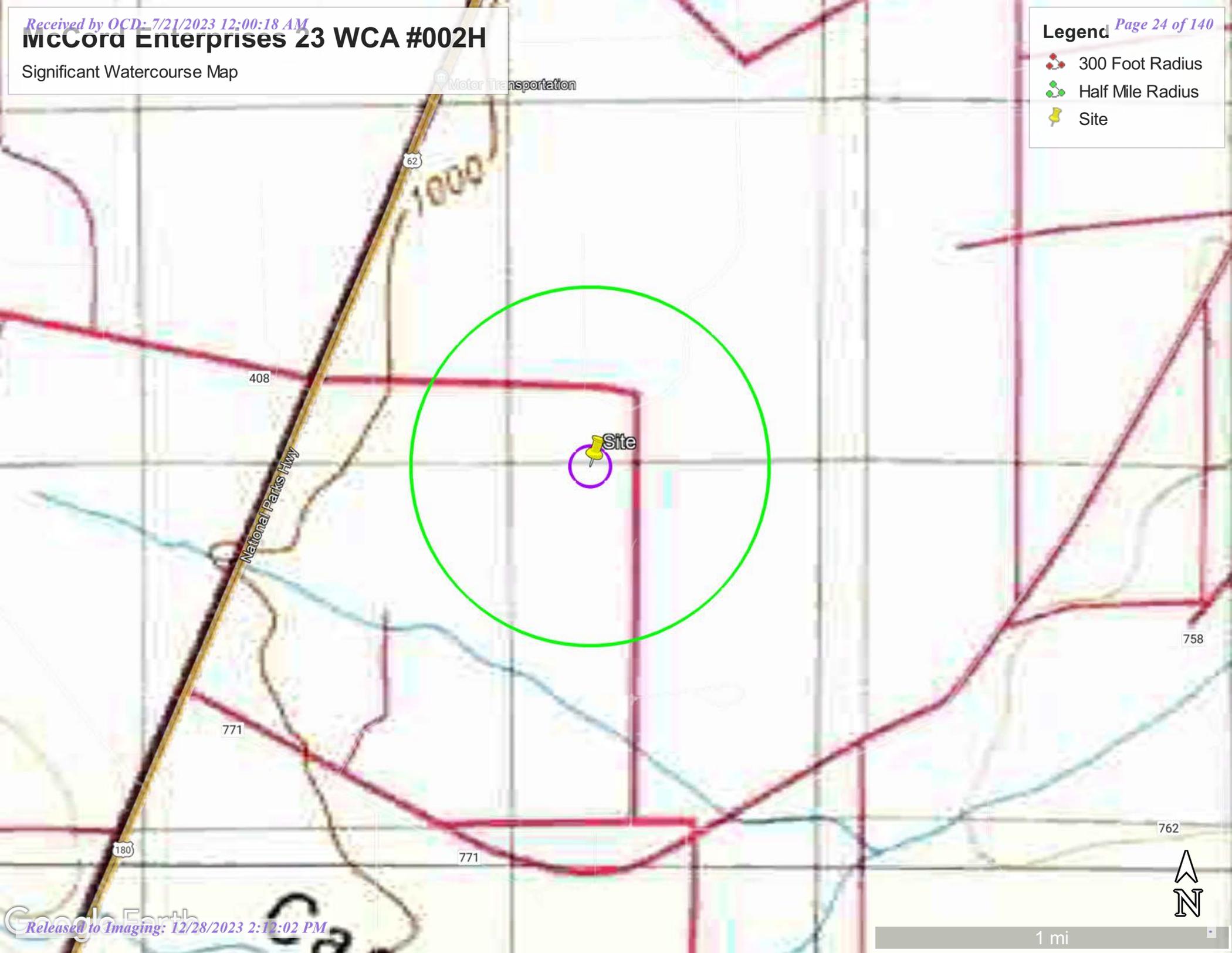


1000 ft

McCord Enterprises 23 WCA #002H

Significant Watercourse Map

-  300 Foot Radius
-  Half Mile Radius
-  Site





U.S. Fish and Wildlife Service
National Wetlands Inventory

McCord Enterprises 23 WCA #002H



May 19, 2023

Wetlands

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

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

National Flood Hazard Layer FIRMette



104°16'24"W 32°17'14"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°15'47"W 32°16'43"N
 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee. Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
	MAP PANELS	
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/19/2023 at 12:21 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 12/28/2023 2:12:02 PM

Received by OCD: 7/21/2023 12:00:18 AM

Page 26 of 140

ATTACHMENT B: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Earthstone Operating, LLC
McCord Enterprises 23 WCA #002H

Photograph No. 1

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



Photograph No. 2

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

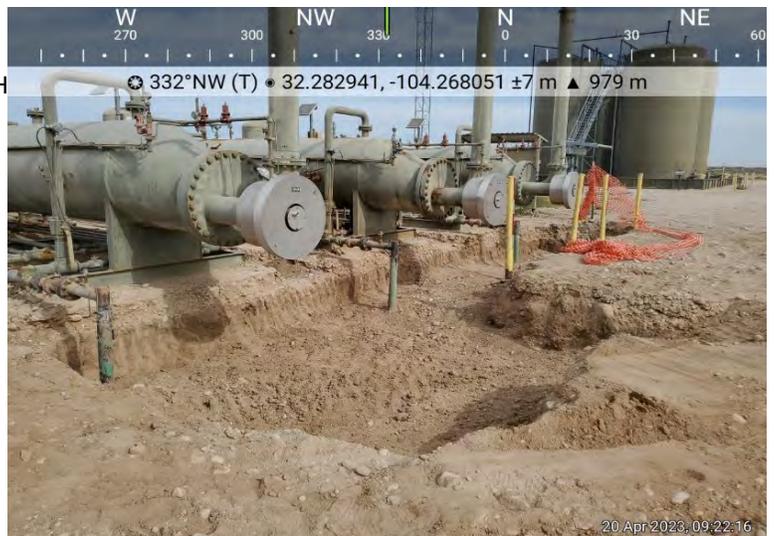


Photograph No. 3

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC
McCord Enterprises 23 WCA #002H

Photograph No. 4

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

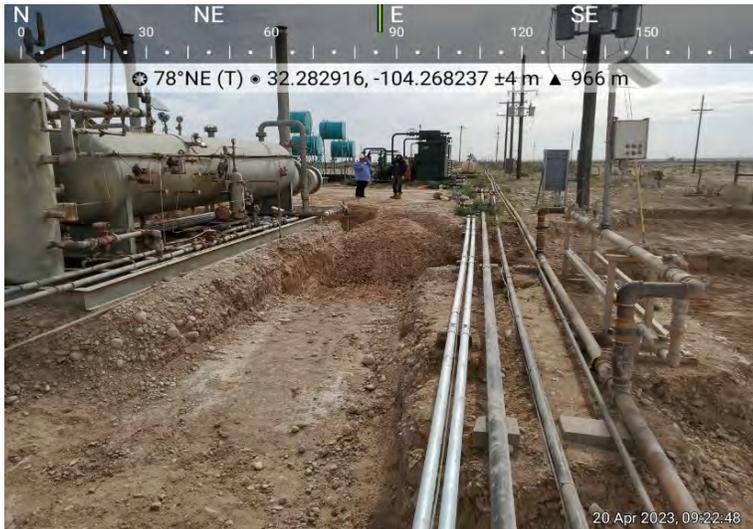


Photograph No. 5

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



Photograph No. 6

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



PHOTOGRAPHIC LOG

Earthstone Operating, LLC
McCord Enterprises 23 WCA #002H

Photograph No. 7

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

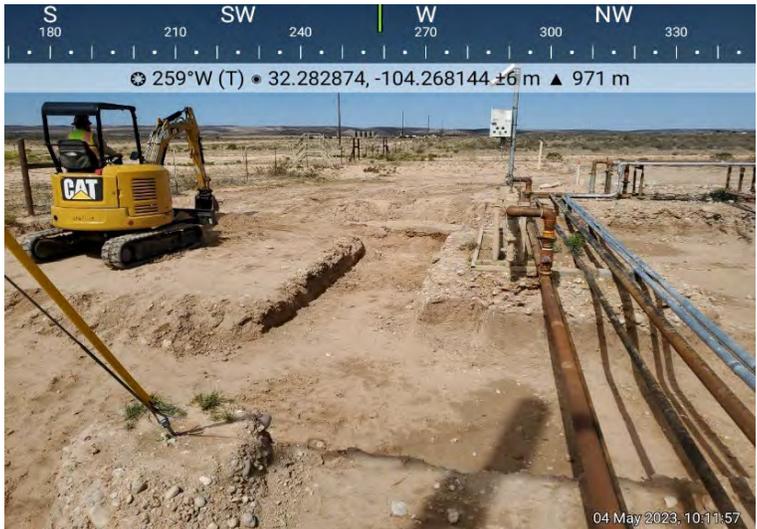


Photograph No. 8

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.

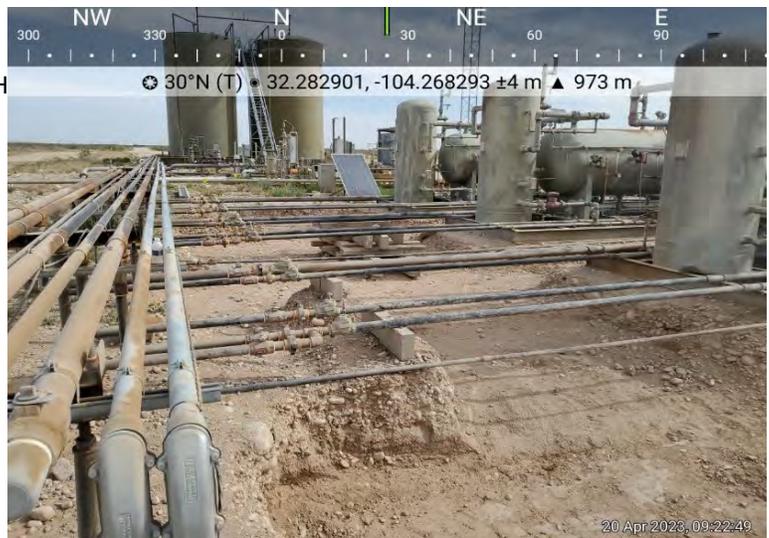


Photograph No. 9

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Area of excavation.



PHOTOGRAPHIC LOG
Earthstone Operating, LLC
McCord Enterprises 23 WCA #002H

Photograph No. 10

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Completed backfill of facility.



Photograph No. 11

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Backfill of the facility.



Photograph No. 12

Facility: McCord Enterprises 23 WCA #002H

County: Eddy County, New Mexico

Description:
Backfill of the facility.



ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS

From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] McCord Enterprises 23 WCA #002H
Date: Wednesday, April 5, 2023 3:26:39 PM
Attachments: [image003.png](#)

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

Ricardo,

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

JH

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



From: Ricardo Baer <Rbaer@ntglobal.com>
Sent: Wednesday, April 5, 2023 8:56 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] McCord Enterprises 23 WCA #002H

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.

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM

nAPP2304056216

Sampling will begin at 8:00 a.m. on Monday, April 10, 2023, and continue through Friday, April 14, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO²

Project Scientist

(432) 556-2006

Rbaer@ntglobal.com



From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] McCord Enterprises 23 WCA #002H
Date: Wednesday, April 12, 2023 11:14:18 AM
Attachments: [image003.png](#)

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

Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, April 12, 2023 9:08 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] McCord Enterprises 23 WCA #002H

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.

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM
nAPP2304056216

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

Thank you,

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



From: [Enviro, OCD, EMNRD](#)
To: [Ricardo Baer](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] McCord Enterprises 23 WCA #002H
Date: Wednesday, April 19, 2023 2:30:20 PM
Attachments: [image002.png](#)

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Ricardo,

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

JH

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, April 19, 2023 1:11 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] McCord Enterprises 23 WCA #002H

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Good Afternoon,

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

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM
nAPP2304056216

Sampling will begin at 8:00 a.m. on Monday, April 24, 2023, and continue through Friday, April 28, 2023. Please let me know if you have any questions.

Thank you,

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



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From: [Enviro, OCD, EMNRD](#)
To: [Nicholas Hart](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] McCord Enterprises 23 WCA #002H
Date: Wednesday, April 26, 2023 5:22:18 PM

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Nicholas,

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: Nicholas Hart <NHart@ntglobal.com>
Sent: Wednesday, April 26, 2023 10:19 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; Nicholas Hart <NHart@ntglobal.com>; NTG Env Carlsbad <ntg_env_carlsbad@ntglobal.com>; Ricardo Baer <Rbaer@ntglobal.com>
Subject: [EXTERNAL] McCord Enterprises 23 WCA #002H

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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.

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM
nAPP2304056216

Sampling will begin at 8:00 a.m. on Monday, May 1, 2023, and continue through Friday, May 5, 2023. Let me know if you have any questions.

Thank you,

Nick Hart

Project Manager | Geologist

701 Tradewinds Blvd, Suite C | Midland, Texas 79706

W: [432-444-3047](tel:432-444-3047) P: [432-770-1832](tel:432-770-1832) | nhart@ntglobal.com | www.ntglobal.com



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by reply e-mail; we also request that you immediately delete this message and its attachments, if any.

ATTACHMENT D: NMOCD EXTENSION REQUEST AND RESPONSE

Becky Haskell

From: Becky Haskell
Sent: Tuesday, May 2, 2023 2:51 PM
To: ocd.enviro@emnrd.nm.gov
Cc: Becky Haskell; Ricardo Baer
Subject: Earthstone McCord Enterprises 23 WCA #002H (nAPP2304056216) Extension Request Correction

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits this extension request. We are currently conducting remediation activities and recently received analytical results indicating additional activities need to be conducted. We are requesting an additional 90 days.

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM
nAPP2304056216

Thank You,

Becky Haskell

Senior Project Manager | **NTG Environmental**

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

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)



Becky Haskell

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Wednesday, May 3, 2023 8:35 AM
To: Becky Haskell
Cc: Ricardo Baer; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: (Extension Approval) - Earthstone McCord Enterprises 23 WCA #002H (nAPP2304056216)

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RE: Incident #**NAPP2304056216**

Becky,

Your request for an extension to **July 27, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
 Environmental Bureau
 EMNRD - Oil Conservation Division
 506 W. Texas Ave. | Artesia, NM 88210
 575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Tuesday, May 2, 2023 4:33 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Earthstone McCord Enterprises 23 WCA #002H (nAPP2304056216) Extension Request Correction

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: Becky Haskell <bhaskell@ntglobal.com>
Sent: Tuesday, May 2, 2023 1:51 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrn.nm.gov>
Cc: Becky Haskell <bhaskell@ntglobal.com>; Ricardo Baer <Rbaer@ntglobal.com>
Subject: [EXTERNAL] Earthstone McCord Enterprises 23 WCA #002H (nAPP2304056216) Extension Request Correction

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

Good Afternoon,

NTGE, on behalf of Earthstone Operating, LLC, respectfully submits this extension request. We are currently conducting remediation activities and recently received analytical results indicating additional activities need to be conducted. We are requesting an additional 90 days.

McCord Enterprises 23 WCA #002H
M-23-23S-26E
Eddy County, NM
nAPP2304056216

Thank You,

Becky Haskell

Senior Project Manager | **NTG Environmental**

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

[701 Tradewinds Blvd, Suite C](#)

[Midland, TX 79706](#)



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ATTACHMENT E: LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENT



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Gordon Banks
NT Global

701 Tradewinds Blvd
Midland, Texas 79706

Generated 2/13/2023 4:53:50 PM

JOB DESCRIPTION

McCord Enterprises 23 WCA #2H
SDG NUMBER 236891

JOB NUMBER

890-4001-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



Eurofins Carlsbad

Job Notes

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

Authorization



Generated
2/13/2023 4:53:50 PM

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

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Laboratory Job ID: 890-4001-1
SDG: 236891

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Definitions/Glossary

Client: NT Global

Job ID: 890-4001-1

Project/Site: McCord Enterprises 23 WCA #2H

SDG: 236891

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Job ID: 890-4001-1

Laboratory: Eurofins Carlsbad**Narrative****Job Narrative
890-4001-1****Receipt**

The samples were received on 1/31/2023 2:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (2-2.5) (890-4001-1), S-1 (3-3.5) (890-4001-2), S-2 (2-2.5) (890-4001-3), S-2 (3-3.5) (890-4001-4), S-3 (1-1.5) (890-4001-5), S-3 (2-2.5) (890-4001-6), S-3 (3-3.5) (890-4001-7), H-1 (890-4001-8), H-2 (890-4001-9), H-3 (890-4001-10), H-4 (890-4001-11) and H-5 (890-4001-12).

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (2-2.5) (890-4001-1), S-1 (3-3.5) (890-4001-2), S-2 (2-2.5) (890-4001-3), S-2 (3-3.5) (890-4001-4), S-3 (1-1.5) (890-4001-5), S-3 (2-2.5) (890-4001-6) and S-3 (3-3.5) (890-4001-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: H-1 (890-4001-8), H-2 (890-4001-9), H-3 (890-4001-10), H-4 (890-4001-11) and H-5 (890-4001-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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



Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-4001-1

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/09/23 10:02	02/10/23 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	02/09/23 10:02	02/10/23 03:59	1
1,4-Difluorobenzene (Surr)	88		70 - 130	02/09/23 10:02	02/10/23 03:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:19	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	63	S1-	70 - 130	02/08/23 10:35	02/11/23 23:19	1
o-Terphenyl	77		70 - 130	02/08/23 10:35	02/11/23 23:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		24.8		mg/Kg			02/06/23 16:25	5

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-4001-2

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 04:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	02/09/23 10:02	02/10/23 04:26	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/09/23 10:02	02/10/23 04:26	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-4001-2

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	84.3		49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:40	1
Diesel Range Organics (Over C10-C28)	84.3		49.9		mg/Kg		02/08/23 10:35	02/11/23 23:40	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130				02/08/23 10:35	02/11/23 23:40	1
o-Terphenyl	71		70 - 130				02/08/23 10:35	02/11/23 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	326		5.01		mg/Kg			02/06/23 16:30	1

Client Sample ID: S-2 (2-2.5)

Lab Sample ID: 890-4001-3

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 04:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				02/09/23 10:02	02/10/23 04:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/09/23 10:02	02/10/23 04:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:01	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-2 (2-2.5)

Lab Sample ID: 890-4001-3

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				02/08/23 10:35	02/12/23 00:01	1
o-Terphenyl	79		70 - 130				02/08/23 10:35	02/12/23 00:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.9		4.97		mg/Kg			02/06/23 16:35	1

Client Sample ID: S-2 (3-3.5)

Lab Sample ID: 890-4001-4

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/23 10:02	02/10/23 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				02/09/23 10:02	02/10/23 05:20	1
1,4-Difluorobenzene (Surr)	97		70 - 130				02/09/23 10:02	02/10/23 05:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 00:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 00:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130				02/08/23 10:35	02/12/23 00:22	1
o-Terphenyl	76		70 - 130				02/08/23 10:35	02/12/23 00:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/06/23 16:48	1

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Client Sample Results

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-4001-5

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 05:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 05:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 05:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 05:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 05:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 05:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/09/23 10:02	02/10/23 05:46	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/09/23 10:02	02/10/23 05:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130	02/08/23 10:35	02/12/23 00:44	1
o-Terphenyl	78		70 - 130	02/08/23 10:35	02/12/23 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/06/23 16:53	1

Client Sample ID: S-3 (2-2.5)

Lab Sample ID: 890-4001-6

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/09/23 10:02	02/10/23 06:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	02/09/23 10:02	02/10/23 06:13	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/09/23 10:02	02/10/23 06:13	1

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Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-3 (2-2.5)

Lab Sample ID: 890-4001-6

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	57	S1-	70 - 130				02/08/23 10:35	02/12/23 01:05	1
o-Terphenyl	70		70 - 130				02/08/23 10:35	02/12/23 01:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			02/06/23 17:07	1

Client Sample ID: S-3 (3-3.5)

Lab Sample ID: 890-4001-7

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/09/23 10:02	02/10/23 09:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				02/09/23 10:02	02/10/23 09:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/09/23 10:02	02/10/23 09:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:26	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:26	1

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Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-3 (3-3.5)

Lab Sample ID: 890-4001-7

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	60	S1-	70 - 130				02/08/23 10:35	02/12/23 01:26	1
o-Terphenyl	71		70 - 130				02/08/23 10:35	02/12/23 01:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		4.95		mg/Kg			02/06/23 17:12	1

Client Sample ID: H-1

Lab Sample ID: 890-4001-8

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/09/23 10:02	02/10/23 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				02/09/23 10:02	02/10/23 10:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/09/23 10:02	02/10/23 10:20	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 02:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 02:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 02:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	57	S1-	70 - 130				02/08/23 10:35	02/12/23 02:09	1
o-Terphenyl	69	S1-	70 - 130				02/08/23 10:35	02/12/23 02:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.26		4.97		mg/Kg			02/06/23 17:17	1

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Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: H-2

Lab Sample ID: 890-4001-9

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 10:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 10:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 10:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 10:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 10:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	02/09/23 10:02	02/10/23 10:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130	02/09/23 10:02	02/10/23 10:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/23 12:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	02/08/23 10:35	02/12/23 02:31	1
o-Terphenyl	74		70 - 130	02/08/23 10:35	02/12/23 02:31	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.04		mg/Kg			02/06/23 17:21	1

Client Sample ID: H-3

Lab Sample ID: 890-4001-10

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 11:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 11:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 11:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 11:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/09/23 10:02	02/10/23 11:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/09/23 10:02	02/10/23 11:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/09/23 10:02	02/10/23 11:13	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/09/23 10:02	02/10/23 11:13	1

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Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: H-3

Lab Sample ID: 890-4001-10

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130	02/08/23 10:35	02/12/23 02:53	1
o-Terphenyl	72		70 - 130	02/08/23 10:35	02/12/23 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.5		4.99		mg/Kg			02/06/23 17:26	1

Client Sample ID: H-4

Lab Sample ID: 890-4001-11

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 11:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 11:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 11:39	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/09/23 10:02	02/10/23 11:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 11:39	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/09/23 10:02	02/10/23 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	02/09/23 10:02	02/10/23 11:39	1
1,4-Difluorobenzene (Surr)	83		70 - 130	02/09/23 10:02	02/10/23 11:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 03:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 03:15	1

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Client Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: H-4

Lab Sample ID: 890-4001-11

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	58	S1-	70 - 130				02/08/23 10:35	02/12/23 03:15	1
o-Terphenyl	69	S1-	70 - 130				02/08/23 10:35	02/12/23 03:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	394		4.96		mg/Kg			02/06/23 17:31	1

Client Sample ID: H-5

Lab Sample ID: 890-4001-12

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/09/23 10:02	02/10/23 12:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/09/23 10:02	02/10/23 12:05	1
1,4-Difluorobenzene (Surr)	81		70 - 130				02/09/23 10:02	02/10/23 12:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/10/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 03:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 03:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				02/08/23 10:35	02/12/23 03:36	1
o-Terphenyl	78		70 - 130				02/08/23 10:35	02/12/23 03:36	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	343		4.96		mg/Kg			02/06/23 17:35	1

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Surrogate Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-4000-A-1-C MS	Matrix Spike	113	95
890-4000-A-1-D MSD	Matrix Spike Duplicate	116	94
890-4001-1	S-1 (2-2.5)	125	88
890-4001-2	S-1 (3-3.5)	118	93
890-4001-3	S-2 (2-2.5)	123	95
890-4001-4	S-2 (3-3.5)	130	97
890-4001-5	S-3 (1-1.5)	117	95
890-4001-6	S-3 (2-2.5)	126	97
890-4001-7	S-3 (3-3.5)	109	94
890-4001-8	H-1	120	98
890-4001-9	H-2	128	92
890-4001-10	H-3	115	95
890-4001-11	H-4	123	83
890-4001-12	H-5	118	81
LCS 880-45885/1-A	Lab Control Sample	102	94
LCSD 880-45885/2-A	Lab Control Sample Dup	107	100
MB 880-45843/5-A	Method Blank	76	89
MB 880-45885/5-A	Method Blank	79	88

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-3990-A-1-D MS	Matrix Spike	74	78
890-3990-A-1-E MSD	Matrix Spike Duplicate	77	78
890-4001-1	S-1 (2-2.5)	63 S1-	77
890-4001-2	S-1 (3-3.5)	58 S1-	71
890-4001-3	S-2 (2-2.5)	67 S1-	79
890-4001-4	S-2 (3-3.5)	65 S1-	76
890-4001-5	S-3 (1-1.5)	66 S1-	78
890-4001-6	S-3 (2-2.5)	57 S1-	70
890-4001-7	S-3 (3-3.5)	60 S1-	71
890-4001-8	H-1	57 S1-	69 S1-
890-4001-9	H-2	65 S1-	74
890-4001-10	H-3	65 S1-	72
890-4001-11	H-4	58 S1-	69 S1-
890-4001-12	H-5	67 S1-	78
LCS 880-45765/2-A	Lab Control Sample	105	119
LCSD 880-45765/3-A	Lab Control Sample Dup	98	116
MB 880-45765/1-A	Method Blank	80	101

Surrogate Legend
1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-45843/5-A
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 45843

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/23 08:32	02/09/23 11:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130				02/09/23 08:32	02/09/23 11:26	1
1,4-Difluorobenzene (Surr)	89		70 - 130				02/09/23 08:32	02/09/23 11:26	1

Lab Sample ID: MB 880-45885/5-A
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/23 10:02	02/10/23 01:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				02/09/23 10:02	02/10/23 01:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130				02/09/23 10:02	02/10/23 01:46	1

Lab Sample ID: LCS 880-45885/1-A
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.100	0.08814		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09457		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09066		mg/Kg		91	70 - 130
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	102		70 - 130				
1,4-Difluorobenzene (Surr)	94		70 - 130				

Lab Sample ID: LCSD 880-45885/2-A
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Benzene	0.100	0.1102		mg/Kg		110	70 - 130	20	35

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QC Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

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

Lab Sample ID: LCSD 880-45885/2-A
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Toluene	0.100	0.1025		mg/Kg		102	70 - 130	15	35	
Ethylbenzene	0.100	0.1052		mg/Kg		105	70 - 130	11	35	
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	13	35	
o-Xylene	0.100	0.1077		mg/Kg		108	70 - 130	17	35	
		LCSD	LCSD							
Surrogate		%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)		107		70 - 130						
1,4-Difluorobenzene (Surr)		100		70 - 130						

Lab Sample ID: 890-4000-A-1-C MS
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00202	U	0.100	0.09720		mg/Kg		97	70 - 130			
Toluene	<0.00202	U	0.100	0.09843		mg/Kg		98	70 - 130			
Ethylbenzene	<0.00202	U	0.100	0.09404		mg/Kg		94	70 - 130			
m-Xylene & p-Xylene	<0.00403	U	0.201	0.1810		mg/Kg		90	70 - 130			
o-Xylene	<0.00202	U	0.100	0.09133		mg/Kg		91	70 - 130			
		MS	MS									
Surrogate		%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)		113		70 - 130								
1,4-Difluorobenzene (Surr)		95		70 - 130								

Lab Sample ID: 890-4000-A-1-D MSD
 Matrix: Solid
 Analysis Batch: 45841

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 45885

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	<0.00202	U	0.0990	0.09173		mg/Kg		93	70 - 130	6	35	
Toluene	<0.00202	U	0.0990	0.09561		mg/Kg		97	70 - 130	3	35	
Ethylbenzene	<0.00202	U	0.0990	0.09271		mg/Kg		94	70 - 130	1	35	
m-Xylene & p-Xylene	<0.00403	U	0.198	0.1767		mg/Kg		89	70 - 130	2	35	
o-Xylene	<0.00202	U	0.0990	0.09056		mg/Kg		91	70 - 130	1	35	
		MSD	MSD									
Surrogate		%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)		116		70 - 130								
1,4-Difluorobenzene (Surr)		94		70 - 130								

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

Lab Sample ID: MB 880-45765/1-A
 Matrix: Solid
 Analysis Batch: 46052

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 45765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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QC Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

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

Lab Sample ID: MB 880-45765/1-A
Matrix: Solid
Analysis Batch: 46052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 45765

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/11/23 20:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/11/23 20:28	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
1-Chlorooctane	80		70 - 130	02/08/23 10:35	02/11/23 20:28	1			
o-Terphenyl	101		70 - 130	02/08/23 10:35	02/11/23 20:28	1			

Lab Sample ID: LCS 880-45765/2-A
Matrix: Solid
Analysis Batch: 46052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 45765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)	1000	942.0		mg/Kg		94	70 - 130
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
1-Chlorooctane	105		70 - 130				
o-Terphenyl	119		70 - 130				

Lab Sample ID: LCSD 880-45765/3-A
Matrix: Solid
Analysis Batch: 46052

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 45765

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	947.5		mg/Kg		95	70 - 130	1	20
Surrogate	LCSD	LCSD	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	98		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: 890-3990-A-1-D MS
Matrix: Solid
Analysis Batch: 46052

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 45765

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (Over C10-C28)	138		997	1391		mg/Kg		126	70 - 130
Surrogate	MS	MS	Limits						
	%Recovery	Qualifier							
1-Chlorooctane	74		70 - 130						
o-Terphenyl	78		70 - 130						

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QC Sample Results

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

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

Lab Sample ID: 890-3990-A-1-E MSD
 Matrix: Solid
 Analysis Batch: 46052

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 45765

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	1127		mg/Kg		113	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	138		999	1421		mg/Kg		128	70 - 130	2	20
Surrogate	%Recovery	MSD Qualifier	MSD	Limits							
1-Chlorooctane	77			70 - 130							
o-Terphenyl	78			70 - 130							

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-45328/1-A
 Matrix: Solid
 Analysis Batch: 45610

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/06/23 15:01	1

Lab Sample ID: LCS 880-45328/2-A
 Matrix: Solid
 Analysis Batch: 45610

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.7		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-45328/3-A
 Matrix: Solid
 Analysis Batch: 45610

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-4001-3 MS
 Matrix: Solid
 Analysis Batch: 45610

Client Sample ID: S-2 (2-2.5)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	93.9		249	346.1		mg/Kg		101	90 - 110

Lab Sample ID: 890-4001-3 MSD
 Matrix: Solid
 Analysis Batch: 45610

Client Sample ID: S-2 (2-2.5)
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	93.9		249	346.7		mg/Kg		102	90 - 110	0	20

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QC Association Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

GC VOA

Analysis Batch: 45841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	8021B	45885
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	8021B	45885
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	8021B	45885
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	8021B	45885
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	8021B	45885
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	8021B	45885
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	8021B	45885
890-4001-8	H-1	Total/NA	Solid	8021B	45885
890-4001-9	H-2	Total/NA	Solid	8021B	45885
890-4001-10	H-3	Total/NA	Solid	8021B	45885
890-4001-11	H-4	Total/NA	Solid	8021B	45885
890-4001-12	H-5	Total/NA	Solid	8021B	45885
MB 880-45843/5-A	Method Blank	Total/NA	Solid	8021B	45843
MB 880-45885/5-A	Method Blank	Total/NA	Solid	8021B	45885
LCS 880-45885/1-A	Lab Control Sample	Total/NA	Solid	8021B	45885
LCSD 880-45885/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	45885
890-4000-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	45885
890-4000-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	45885

Prep Batch: 45843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-45843/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 45885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	5035	
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	5035	
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	5035	
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	5035	
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	5035	
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	5035	
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	5035	
890-4001-8	H-1	Total/NA	Solid	5035	
890-4001-9	H-2	Total/NA	Solid	5035	
890-4001-10	H-3	Total/NA	Solid	5035	
890-4001-11	H-4	Total/NA	Solid	5035	
890-4001-12	H-5	Total/NA	Solid	5035	
MB 880-45885/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-45885/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-45885/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4000-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4000-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 45993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	Total BTEX	
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	Total BTEX	
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	Total BTEX	
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	Total BTEX	
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	Total BTEX	
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

GC VOA (Continued)

Analysis Batch: 45993 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	Total BTEX	
890-4001-8	H-1	Total/NA	Solid	Total BTEX	
890-4001-9	H-2	Total/NA	Solid	Total BTEX	
890-4001-10	H-3	Total/NA	Solid	Total BTEX	
890-4001-11	H-4	Total/NA	Solid	Total BTEX	
890-4001-12	H-5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 45765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	8015NM Prep	
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	8015NM Prep	
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	8015NM Prep	
890-4001-8	H-1	Total/NA	Solid	8015NM Prep	
890-4001-9	H-2	Total/NA	Solid	8015NM Prep	
890-4001-10	H-3	Total/NA	Solid	8015NM Prep	
890-4001-11	H-4	Total/NA	Solid	8015NM Prep	
890-4001-12	H-5	Total/NA	Solid	8015NM Prep	
MB 880-45765/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-45765/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-45765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-3990-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-3990-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 46052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	8015B NM	45765
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	8015B NM	45765
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	8015B NM	45765
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	8015B NM	45765
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	8015B NM	45765
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	8015B NM	45765
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	8015B NM	45765
890-4001-8	H-1	Total/NA	Solid	8015B NM	45765
890-4001-9	H-2	Total/NA	Solid	8015B NM	45765
890-4001-10	H-3	Total/NA	Solid	8015B NM	45765
890-4001-11	H-4	Total/NA	Solid	8015B NM	45765
890-4001-12	H-5	Total/NA	Solid	8015B NM	45765
MB 880-45765/1-A	Method Blank	Total/NA	Solid	8015B NM	45765
LCS 880-45765/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	45765
LCSD 880-45765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	45765
890-3990-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	45765
890-3990-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	45765

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QC Association Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

GC Semi VOA

Analysis Batch: 46207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Total/NA	Solid	8015 NM	
890-4001-2	S-1 (3-3.5)	Total/NA	Solid	8015 NM	
890-4001-3	S-2 (2-2.5)	Total/NA	Solid	8015 NM	
890-4001-4	S-2 (3-3.5)	Total/NA	Solid	8015 NM	
890-4001-5	S-3 (1-1.5)	Total/NA	Solid	8015 NM	
890-4001-6	S-3 (2-2.5)	Total/NA	Solid	8015 NM	
890-4001-7	S-3 (3-3.5)	Total/NA	Solid	8015 NM	
890-4001-8	H-1	Total/NA	Solid	8015 NM	
890-4001-9	H-2	Total/NA	Solid	8015 NM	
890-4001-10	H-3	Total/NA	Solid	8015 NM	
890-4001-11	H-4	Total/NA	Solid	8015 NM	
890-4001-12	H-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 45328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Soluble	Solid	DI Leach	
890-4001-2	S-1 (3-3.5)	Soluble	Solid	DI Leach	
890-4001-3	S-2 (2-2.5)	Soluble	Solid	DI Leach	
890-4001-4	S-2 (3-3.5)	Soluble	Solid	DI Leach	
890-4001-5	S-3 (1-1.5)	Soluble	Solid	DI Leach	
890-4001-6	S-3 (2-2.5)	Soluble	Solid	DI Leach	
890-4001-7	S-3 (3-3.5)	Soluble	Solid	DI Leach	
890-4001-8	H-1	Soluble	Solid	DI Leach	
890-4001-9	H-2	Soluble	Solid	DI Leach	
890-4001-10	H-3	Soluble	Solid	DI Leach	
890-4001-11	H-4	Soluble	Solid	DI Leach	
890-4001-12	H-5	Soluble	Solid	DI Leach	
MB 880-45328/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-45328/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCS 880-45328/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-4001-3 MS	S-2 (2-2.5)	Soluble	Solid	DI Leach	
890-4001-3 MSD	S-2 (2-2.5)	Soluble	Solid	DI Leach	

Analysis Batch: 45610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4001-1	S-1 (2-2.5)	Soluble	Solid	300.0	45328
890-4001-2	S-1 (3-3.5)	Soluble	Solid	300.0	45328
890-4001-3	S-2 (2-2.5)	Soluble	Solid	300.0	45328
890-4001-4	S-2 (3-3.5)	Soluble	Solid	300.0	45328
890-4001-5	S-3 (1-1.5)	Soluble	Solid	300.0	45328
890-4001-6	S-3 (2-2.5)	Soluble	Solid	300.0	45328
890-4001-7	S-3 (3-3.5)	Soluble	Solid	300.0	45328
890-4001-8	H-1	Soluble	Solid	300.0	45328
890-4001-9	H-2	Soluble	Solid	300.0	45328
890-4001-10	H-3	Soluble	Solid	300.0	45328
890-4001-11	H-4	Soluble	Solid	300.0	45328
890-4001-12	H-5	Soluble	Solid	300.0	45328
MB 880-45328/1-A	Method Blank	Soluble	Solid	300.0	45328
LCS 880-45328/2-A	Lab Control Sample	Soluble	Solid	300.0	45328

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QC Association Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

HPLC/IC (Continued)

Analysis Batch: 45610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-45328/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	45328
890-4001-3 MS	S-2 (2-2.5)	Soluble	Solid	300.0	45328
890-4001-3 MSD	S-2 (2-2.5)	Soluble	Solid	300.0	45328

- 1
- 2
- 3
- 4
- 5
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- 7
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- 11
- 12
- 13
- 14

Lab Chronicle

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-1 (2-2.5)

Lab Sample ID: 890-4001-1

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 03:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/11/23 23:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		5			45610	02/06/23 16:25	CH	EET MID

Client Sample ID: S-1 (3-3.5)

Lab Sample ID: 890-4001-2

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 04:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/11/23 23:40	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 16:30	CH	EET MID

Client Sample ID: S-2 (2-2.5)

Lab Sample ID: 890-4001-3

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 16:35	CH	EET MID

Client Sample ID: S-2 (3-3.5)

Lab Sample ID: 890-4001-4

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 05:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Client Sample ID: S-2 (3-3.5)

Lab Sample ID: 890-4001-4

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 00:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 16:48	CH	EET MID

Client Sample ID: S-3 (1-1.5)

Lab Sample ID: 890-4001-5

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 05:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 00:44	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 16:53	CH	EET MID

Client Sample ID: S-3 (2-2.5)

Lab Sample ID: 890-4001-6

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 06:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 01:05	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:07	CH	EET MID

Client Sample ID: S-3 (3-3.5)

Lab Sample ID: 890-4001-7

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 09:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 01:26	SM	EET MID

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Lab Chronicle

Client: NT Global
 Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
 SDG: 236891

Client Sample ID: S-3 (3-3.5)

Lab Sample ID: 890-4001-7

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:12	CH	EET MID

Client Sample ID: H-1

Lab Sample ID: 890-4001-8

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 10:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 02:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:17	CH	EET MID

Client Sample ID: H-2

Lab Sample ID: 890-4001-9

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 10:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 12:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 02:31	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:21	CH	EET MID

Client Sample ID: H-3

Lab Sample ID: 890-4001-10

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 11:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 02:53	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:26	CH	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Client Sample ID: H-4

Lab Sample ID: 890-4001-11

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 11:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 03:15	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:31	CH	EET MID

Client Sample ID: H-5

Lab Sample ID: 890-4001-12

Date Collected: 01/30/23 12:00

Matrix: Solid

Date Received: 01/31/23 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	45885	02/09/23 10:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	45841	02/10/23 12:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			45993	02/10/23 14:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			46207	02/13/23 17:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	45765	02/08/23 10:35	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	46052	02/12/23 03:36	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	45328	02/03/23 09:10	KS	EET MID
Soluble	Analysis	300.0		1			45610	02/06/23 17:35	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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

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

- 1
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Method Summary

Client: NT Global

Job ID: 890-4001-1

Project/Site: McCord Enterprises 23 WCA #2H

SDG: 236891

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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



Sample Summary

Client: NT Global
Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1
SDG: 236891

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-4001-1	S-1 (2-2.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-2	S-1 (3-3.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-3	S-2 (2-2.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-4	S-2 (3-3.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-5	S-3 (1-1.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-6	S-3 (2-2.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-7	S-3 (3-3.5)	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-8	H-1	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-9	H-2	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-10	H-3	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-11	H-4	Solid	01/30/23 12:00	01/31/23 14:20
890-4001-12	H-5	Solid	01/30/23 12:00	01/31/23 14:20

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Chain of Custody

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Work Order No: _____

Page 1 of 2

Project Manager: Becky Haskell	Bill to: (if different)
Company Name: NTG Environmental	Company Name: Chris Martin
Address: 701 Tradewinds Blvd	Address: Earthstone Operating LLC 600 N. Martenfeld, Suite 1000
City, State ZIP: Midland, TX 79706	City, State ZIP: Midland TX, 79701
Phone: (432)766-1918	Email: cmartin@earthstoneenergy.com

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

Project Name: McCord Enterprises 23 WCA #2H	Turn Around	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Rush	Pres. Code	
Project Number: 236891	Due Date:				
Project Location: Eddy Co. NM.	TAT starts the day received by the lab. If received by 4:30pm				
Sampler's Name: Jordan Tyner					
PO #: _____	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SAMPLE RECEIPT	Received Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID: Tm-007			
Cooler Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor: _____	Temperature Reading: 1.3			
Sample Custody Seals: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading: _____	Corrected Temperature: 1.3			
Total Containers: 12					



Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
S-1 (2-2.5)	1/30/2023		X	Grab/	1	X	X	X		
S-1 (3-3.5)	1/30/2023		X	Grab/	1	X	X	X		
S-2 (2-2.5)	1/30/2023		X	Grab/	1	X	X	X		
S-2 (3-3.5)	1/30/2023		X	Grab/	1	X	X	X		
S-3 (1-1.5)	1/30/2023		X	Grab/	1	X	X	X		
S-3 (2-2.5)	1/30/2023		X	Grab/	1	X	X	X		
S-3 (3-3.5)	1/30/2023		X	Grab/	1	X	X	X		
H-1	1/30/2023		X	Grab/	1	X	X	X		
H-2	1/30/2023		X	Grab/	1	X	X	X		
H-3	1/30/2023		X	Grab/	1	X	X	X		

Additional Comments:

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	1-31-23 14:30			

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4001-1

SDG Number: 236891

Login Number: 4001

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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

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Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-4001-1

SDG Number: 236891

Login Number: 4001

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/03/23 01:00 PM

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

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

April 11, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD ENTERPRISES 23 WCA #2H

Enclosed are the results of analyses for samples received by the laboratory on 04/05/23 12:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/05/2023	Sampling Date:	04/04/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: VD - 1 (2-2.5') (H231583-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/05/2023	Sampling Date:	04/04/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: VD - 2 (2-2.5') (H231583-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/05/2023	Sampling Date:	04/04/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: VD - 3 (2-2.5') (H231583-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/05/2023	Sampling Date:	04/04/2023
Reported:	04/11/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: VD - 4 (3-3.5') (H231583-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	4.21	
Toluene*	<0.050	0.050	04/06/2023	ND	2.06	103	2.00	4.52	
Ethylbenzene*	<0.050	0.050	04/06/2023	ND	2.02	101	2.00	3.11	
Total Xylenes*	<0.150	0.150	04/06/2023	ND	6.34	106	6.00	2.41	
Total BTEX	<0.300	0.300	04/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/06/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	ND	177	88.3	200	1.09	
DRO >C10-C28*	<10.0	10.0	04/06/2023	ND	173	86.7	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/06/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H231583

Project Manager:	Becky Haskell	Bill to: (if different)	Chris Martin
Company Name:	NTG Environmental	Company Name:	Earthstone Operating LLC
Address:	701 Tradewinds BLVD	Address:	600 N. Marienfeld, Suite 1000
City, State ZIP:	Midland, TX 79706	City, State ZIP:	Midland TX, 79701
Phone:	(432)-766-1918	Email:	cmartin@earthstoneenergy.com

Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: _____

Project Name:	McCord Enterprises 23 WCA #2H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	236891	Due Date:				None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₅ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Eddy Co, NM	TAT starts the day received by the lab, if received by 4:30pm				
Sampler's Name:	Kenny Han	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
PO #:		Thermometer ID:	113	Correction Factor:	-0.6°C	
SAMPLE RECEIPT		Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	0.5°C	
Received In-lab:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Total Containers:	4	Corrected Temperature:	-0.1°C	

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters			Sample Comments
							BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	
VD-1 (2-2.5')	4/4/2023		X	Grab/	1	X	X	X		
VD-2 (2-2.5')	4/4/2023		X	Grab/	1	X	X	X		
VD-3 (2-2.5')	4/4/2023		X	Grab/	1	X	X	X		
VD-4 (3-3.5')	4/4/2023		X	Grab/	1	X	X	X		

Additional Comments: _____

Billing Code: EARTHSTONE

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/5/23 1245			



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

April 14, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD

Enclosed are the results of analyses for samples received by the laboratory on 04/10/23 14:07.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 1 (2') (H231673-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/14/2023	ND	1.89	94.5	2.00	6.83		
Toluene*	<0.050	0.050	04/14/2023	ND	2.03	101	2.00	7.13		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.13	106	2.00	7.13		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.52	109	6.00	6.16		
Total BTEX	<0.300	0.300	04/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28		
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	199	99.4	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND						

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 2 (2') (H231673-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.89	94.5	2.00	6.83	
Toluene*	<0.050	0.050	04/14/2023	ND	2.03	101	2.00	7.13	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.13	106	2.00	7.13	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.52	109	6.00	6.16	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	199	99.4	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 3 (2') (H231673-03)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	QM-07, QR-03	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	QM-07	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	QM-07	
Total BTEX	<0.300	0.300	04/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28		
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	199	99.4	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND						

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 4 (2') (H231673-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28	
DRO >C10-C28*	17.4	10.0	04/14/2023	ND	199	99.4	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 5 (2') (H231673-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	199	99.4	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 6 (2') (H231673-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	166	82.9	200	4.28	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	199	99.4	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 7 (3') (H231673-07)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 8 (2') (H231673-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 9 (2') (H231673-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 10 (2') (H231673-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860		
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79		
Total BTEX	<0.300	0.300	04/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61		
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 11 (3') (H231673-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 12 (2') (H231673-12)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860		
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79		
Total BTEX	<0.300	0.300	04/14/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	04/13/2023	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61		
DRO >C10-C28*	16.8	10.0	04/13/2023	ND	189	94.3	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: CS - 13 (2') (H231673-13)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860		
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79		
Total BTEX	<0.300	0.300	04/14/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/13/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61		
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80		
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND						

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 1 (0'-2') (H231673-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	32.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 2 (0'-2') (H231673-15)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	38.3	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 3 (0'-2') (H231673-16)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 4 (0'-2') (H231673-17)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	38.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 5 (2'-3') (H231673-18)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	100	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	19.1	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/10/2023	Sampling Date:	04/10/2023
Reported:	04/14/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: SW - 6 (2'-3') (H231673-19)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.87	93.4	2.00	0.860	
Toluene*	<0.050	0.050	04/14/2023	ND	2.08	104	2.00	2.97	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.14	107	2.00	3.81	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.49	108	6.00	4.79	
Total BTEX	<0.300	0.300	04/14/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	ND	192	96.1	200	3.61	
DRO >C10-C28*	<10.0	10.0	04/13/2023	ND	189	94.3	200	4.80	
EXT DRO >C28-C36	<10.0	10.0	04/13/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTG **BILL TO** ANALYSIS REQUEST

Project Manager: Reddy Hinkel P.O. #:

Address: 462 E Wood City: Carlsbad State: NM Zip: 88220 Company:

City: Carlsbad State: NM Zip: 88220 Attn:

Phone #: 432-924-8056 Fax #: Project Owner: East Marland Address:

Project #: Project Name: McLond City: State: Zip:

Project Location: Eddy County Phone #: Fax #:

Sampler Name: Celestine FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	Chlorides	TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<u>H831073</u>	<u>C5-1 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u>4/10</u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-2 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-3 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-4 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-5 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-6 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-7 (3')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-8 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-9 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
	<u>C5-10 (2')</u>	<input checked="" type="checkbox"/>	<u>1</u>	<input checked="" type="checkbox"/>	<u></u>	<u></u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							

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Relinquished By: [Signature] Date: 4-10-23 Received By: [Signature] Date: 2:07

Relinquished By: [Signature] Date: Received By: [Signature] Date:

Delivered By: (Circle One) Observed Temp. °C: 1.4 Sample Condition: Cool Intact

Sampler - UPS - Bus - Other: Corrected Temp. °C: 0.8 Yes No

Checked By: [Signature] Turnaround Time: Standard Rush

Thermometer ID #113 Bacteria (only) Sample Condition: Cool Intact

Correction Factor -0.6°C Yes No

Corrected Temp. °C:



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

April 24, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD ENTERPRISES 23 WCA #2H

Enclosed are the results of analyses for samples received by the laboratory on 04/20/23 11:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 6 A 3' (H231924-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/20/2023	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/21/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/21/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 12 A 3' (H231924-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/21/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/21/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 14 2' (H231924-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 15 2' (H231924-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 16 2' (H231924-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 4 0-3' (H231924-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 5A 2-3' (H231924-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 7 2-3' (H231924-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 8 0-2' (H231924-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 9 0-2' (H231924-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.9 % 49.1-148

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Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/19/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 10 0-2' (H231924-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/20/2023	Sampling Date:	04/20/2023
Reported:	04/24/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 11 2-3' (H231924-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2023	ND	1.92	95.8	2.00	1.49	
Toluene*	<0.050	0.050	04/21/2023	ND	2.04	102	2.00	0.868	
Ethylbenzene*	<0.050	0.050	04/21/2023	ND	2.14	107	2.00	0.698	
Total Xylenes*	<0.150	0.150	04/21/2023	ND	6.49	108	6.00	0.140	
Total BTEX	<0.300	0.300	04/21/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/20/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	ND	179	89.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	04/22/2023	ND	164	82.2	200	5.24	
EXT DRO >C28-C36	<10.0	10.0	04/22/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

May 01, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD

Enclosed are the results of analyses for samples received by the laboratory on 04/28/23 13:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/28/2023	Sampling Date:	04/28/2023
Reported:	05/01/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	** (See Notes)
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: VD - 5 (1') (H232107-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.02	101	2.00	0.732	
Toluene*	<0.050	0.050	04/28/2023	ND	2.05	103	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.07	103	2.00	0.422	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.27	105	6.00	0.819	
Total BTEX	<0.300	0.300	04/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/01/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	212	106	200	7.65	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	209	105	200	0.984	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232107

Page 1 of 1

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

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

Project Name:	McCord	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	236891	Due Date:	24HR		
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
PO #:		Thermometer ID:	113		
SAMPLE RECEIPT		Correction Factor:	-0.65		
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	13.9		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	13.3		
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Total Containers:	1				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
VD-5 (1')	4/28/2023		X		Grab/	1	BTEX 8021B		None: NO	
							TPH 8015M (GRO + DRO + MRO)		Cool: Cool	MeOH: Me
							Chloride 4500		HCL: HC	HNO ₃ : HN
									H ₂ SO ₄ : H ₂	NaOH: Na
									H ₃ PO ₄ : HP	
									NaHSO ₄ : NABIS	
									Na ₂ S ₂ O ₅ : NaSO ₃	
									Zn Acetate+NaOH: Zn	
									NaOH+Ascorbic Acid: SAPC	

Additional Comments: Billing Code: EAROPEMTX

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<i>[Signature]</i>	4-28-23 13:23			



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

May 01, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD

Enclosed are the results of analyses for samples received by the laboratory on 04/28/23 13:23.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/28/2023	Sampling Date:	04/28/2023
Reported:	05/01/2023	Sampling Type:	Soil
Project Name:	MCCORD	Sampling Condition:	** (See Notes)
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY COUNTY		

Sample ID: VD - 5 (1') (H232107-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	ND	2.02	101	2.00	0.732	
Toluene*	<0.050	0.050	04/28/2023	ND	2.05	103	2.00	0.898	
Ethylbenzene*	<0.050	0.050	04/28/2023	ND	2.07	103	2.00	0.422	
Total Xylenes*	<0.150	0.150	04/28/2023	ND	6.27	105	6.00	0.819	
Total BTEX	<0.300	0.300	04/28/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/01/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2023	ND	212	106	200	7.65	
DRO >C10-C28*	<10.0	10.0	04/29/2023	ND	209	105	200	0.984	
EXT DRO >C28-C36	<10.0	10.0	04/29/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: H232107

Page 1 of 1

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

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

Project Name:	McCord	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	236891	Due Date:	24HR		
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
PO #:		Thermometer ID:	113		
SAMPLE RECEIPT		Correction Factor:	-0.65		
Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	13.9		
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	13.3		
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
Total Containers:	1				

Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
VD-5 (1')	4/28/2023		X		Grab/	1	BTEX 8021B		None: NO	
							TPH 8015M (GRO + DRO + MRO)		Cool: Cool	DI Water: H ₂ O
							Chloride 4500		HCL: HC	MeOH: Me
									H ₂ SO ₄ : H ₂	HNO ₃ : HN
									H ₃ PO ₄ : HP	NaOH: Na
									NaHSO ₄ : NABIS	
									Na ₂ S ₂ O ₅ : NaSO ₃	
									Zn Acetate+NaOH: Zn	
									NaOH+Ascorbic Acid: SAPC	

Additional Comments: Billing Code: EAROPEMTX

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	<i>[Signature]</i>	4-28-23 1323			



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

May 05, 2023

BECKY HASKELL

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MCCORD ENTERPRISES 23 WCA #2H

Enclosed are the results of analyses for samples received by the laboratory on 05/04/23 12:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/04/2023
Reported:	05/05/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: CS - 17 A 3' (H232208-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2023	ND	1.92	95.9	2.00	10.2	
Toluene*	<0.050	0.050	05/04/2023	ND	1.93	96.3	2.00	9.65	
Ethylbenzene*	<0.050	0.050	05/04/2023	ND	1.90	94.9	2.00	9.89	
Total Xylenes*	<0.150	0.150	05/04/2023	ND	5.81	96.8	6.00	8.50	
Total BTEX	<0.300	0.300	05/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/04/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/04/2023	Sampling Date:	05/04/2023
Reported:	05/05/2023	Sampling Type:	Soil
Project Name:	MCCORD ENTERPRISES 23 WCA #2H	Sampling Condition:	Cool & Intact
Project Number:	236891	Sample Received By:	Tamara Oldaker
Project Location:	EARTHSTONE - EDDY CO., NM		

Sample ID: SW - 13 2-3' (H232208-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2023	ND	1.92	95.9	2.00	10.2	
Toluene*	<0.050	0.050	05/04/2023	ND	1.93	96.3	2.00	9.65	
Ethylbenzene*	<0.050	0.050	05/04/2023	ND	1.90	94.9	2.00	9.89	
Total Xylenes*	<0.150	0.150	05/04/2023	ND	5.81	96.8	6.00	8.50	
Total BTEX	<0.300	0.300	05/04/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/04/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	196	98.2	200	1.08	
DRO >C10-C28*	11.3	10.0	05/05/2023	ND	194	96.9	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTFE

Project Manager: Becky Hoskell

Address: 701 Trade winds Blvd
City: Midland State: TX zip: 79701

Phone #: 432-766-1918 Fax #:
Project #: 236891 Project Owner:

Project Name: McLeod Enterprises 03 WCA

Project Location: Eddy Co, NM

Sampler Name: Kenny Hain

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: Earth Stone

Attn: Chms Martin

Address:

City:

State: Zip:

Phone #: Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER			
H2332008	CS-17A		1			X				5/4/23		BTEX
	SW-13		1			X						Chloride
												TPH

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Relinquished By: [Signature]

Received By: [Signature]

Date: 5/4/23

Time: 1203

Received By: [Signature]

Date:

Time:

REMARKS:

Billing Code: E ART STONE

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C: 54

Corrected Temp. °C: 50

Sample Condition: Cool Intact

Checked By: [Signature]

Turnaround Time: Standard 24hr

Bacteria (only) Sample Condition: Cool Intact

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

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

District II
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District III
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 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 242629

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 242629
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	Area around heater treaters represented by sample ID's VD-1 through VD-5 approved for deferral. Site will need to be remediated and then reclaimed at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	12/28/2023