State of New Mexico Energy Minerals and Natural Resources Department

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

)

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Incident ID	nAPP2304056216
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party Earthstone Operating, LLC	<sup>OGRID</sup> 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) <b>30-015-44282</b>

Unit Letter	Section	Township	Range	County
М	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)

Crude Oil	Volume Released (bbls) 14	Volume Recovered (bbls) 10
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Loss	s of air supply to the separator which caus	ed the dump valve to hang open.

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

## **Initial Response**

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

 $\checkmark$  The source of the release has been stopped.

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

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Rebecca Haskell Title: Senior Project Magager

Signature: <u>Rebecca Haskell</u> Date: 2/9/23

<sub>email:</sub> bhaskell@ntglobal.com

OCD Only

Received by:

Date:

Telephone: 432-766-1918

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# Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

Received by OCD: 7/21/2023 1	<i>ed by OCD: 7/21/2023 12:00:18 AM</i> State of New Mexico Oil Conservation Division		Page 4 of 14	
			Incident ID	nAPP2304056216
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regulations all operators are requ public health or the environment failed to adequately investigate a	Haskell	ifications and perform co OCD does not relieve the eat to groundwater, surfa	prrective actions for rele operator of liability shi ce water, human health iance with any other fea oject Magager	eases which may endanger ould their operations have or the environment. In
OCD Only		D-4 7/21/	2022	
Received by: <u>Shelly Wells</u>		Date: <u>7/21/</u>	2023	

**Received by OCD:** 7/21/2023 12:00:18 AM Form C-141 State of New Mexico

Oil Conservation Division

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

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# **Remediation 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. Title: Senior Project Magager Printed Name: Rebecca Haskell Signature: Rebecca Haskell Date: 7/18/23 Telephone: 432-766-1918 email: bhaskell@ntglobal.com OCD Only Received by: Shelly Wells Date: 7/21/2023 Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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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.

<u>Closure Report Attachment Checklist</u>: 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: <u>Rebecca Haskell</u>	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:		



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

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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

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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.

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Mr. Mike Bratcher July 18, 2023 Page 4 of 3

## 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.

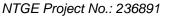
If you have any questions regarding this report or need additional information, please contact us at 432-685-3898.

Sincerely, **NTG Environmental** 

Jeff Kindley, P.G Senior Project Manager/Geologist

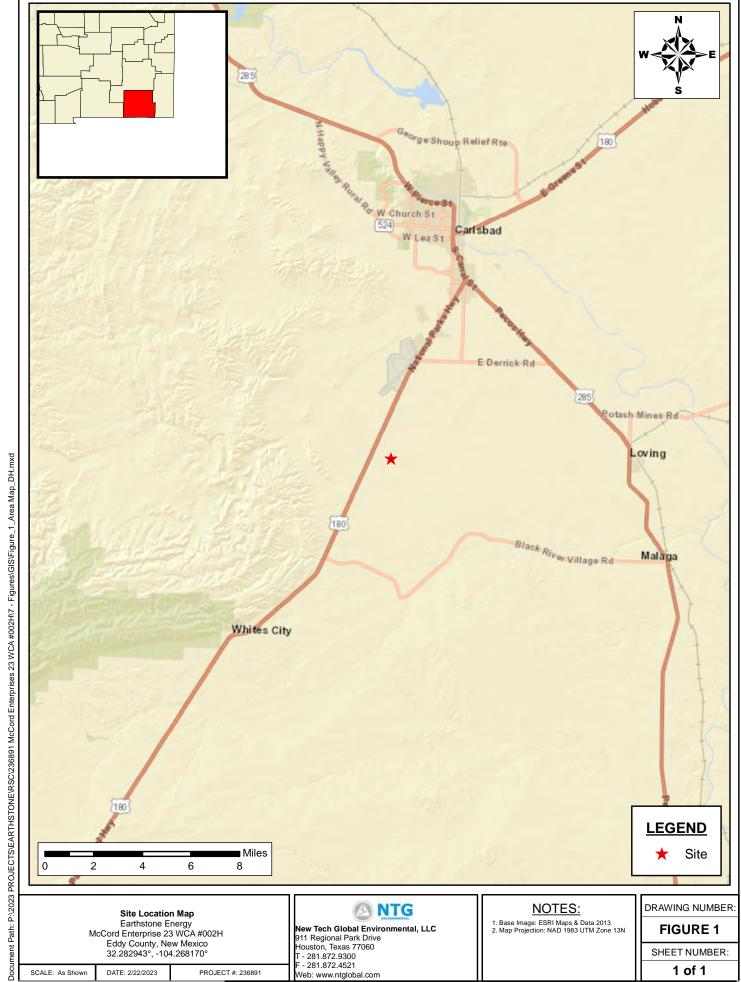
Attachments:

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

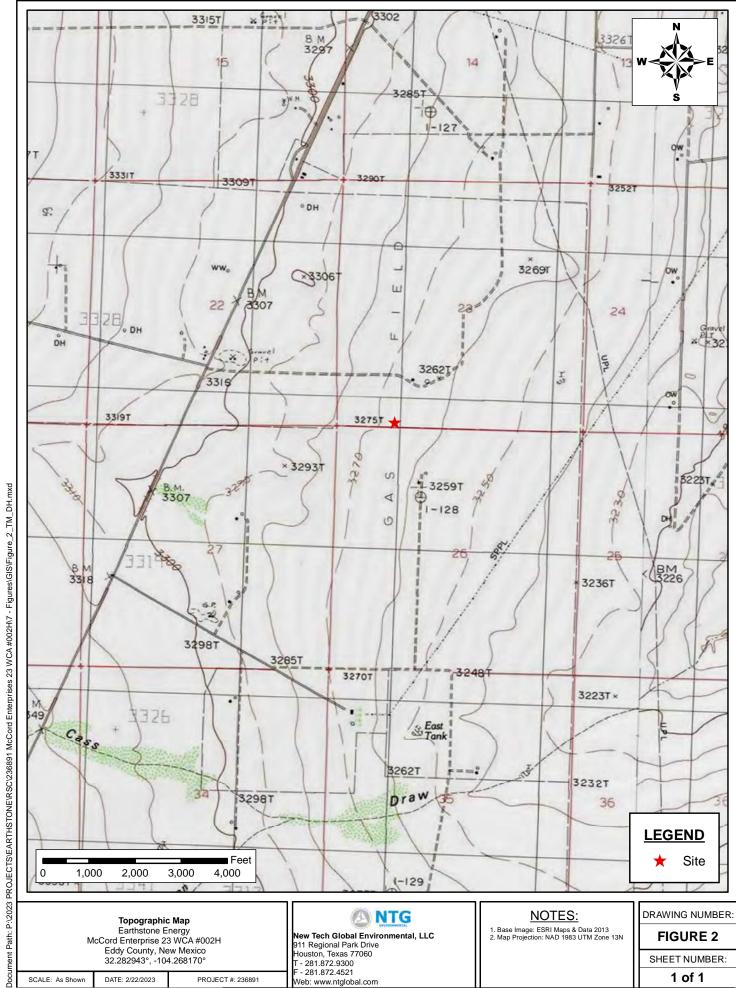




## FIGURES

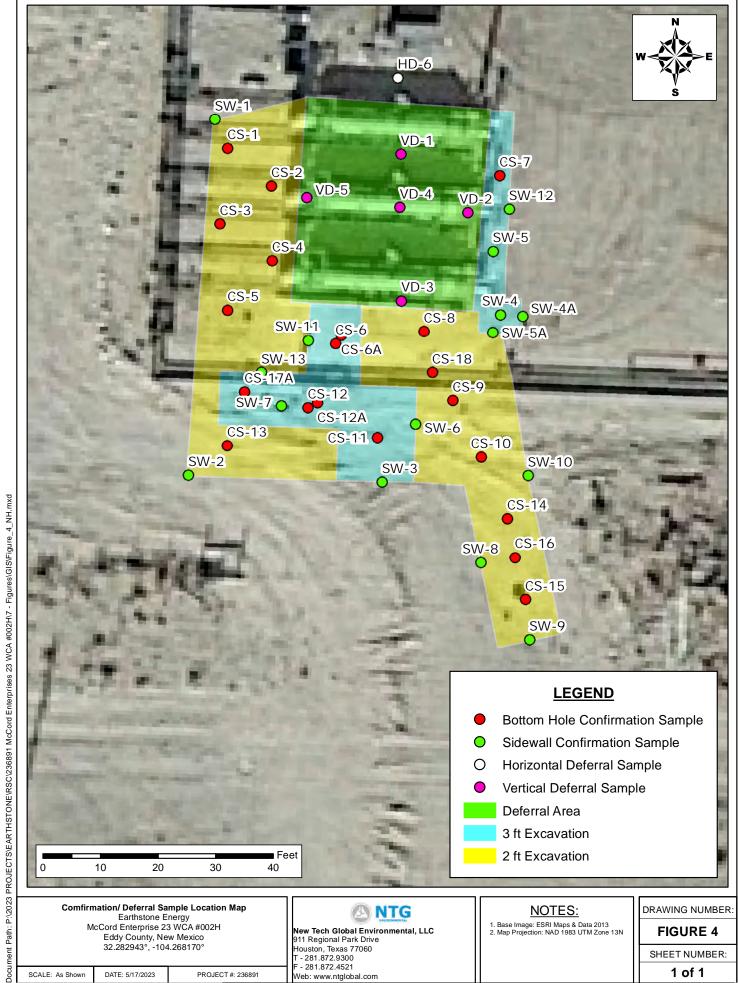


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## TABLES

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

										ТРН			
Sample ID	Sample Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	втех	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table	I Closure Cri	teria for So	il >100 feet 🛛	Pepth to Grour	dwater 19.15.29	NMAC		
			10 mg/kg				50 mg/kg			100 mg/kg		100 mg/kg	600 mg/kg
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
3-1	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
5-2	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
	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
S-3	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 Assessm	nent - Horizo	ntal Deline	ation Sample	es				
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

5. TPH analyses by EPA Method SW 8015 Mod.

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

3. Bold indicates Analyte Detected

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

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

4. BTEX analyses by EPA Method SW 8021B 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).

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

										ТРН			
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(it bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table	I Closure Cri	iteria for So	il >100 feet 🛛	Pepth to Grou	ndwater 19.15.29	NMAC		
			10 mg/kg				50 mg/kg			100 mg/kg		100 mg/kg	600 mg/kg
						rmation Ass		•	n	r	n	1	
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	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	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	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	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	48
- cs.e	04/10/23	7	<0.050	<0:050	<0.050	<0:150	20:300	₹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	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	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	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	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	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	80
<del>CS-12</del>	04/10/23	7	<0.050	<0:050	<0.050	<0.150	<0.300	₹10.0	16.8	16.8	<10.0	16.8	1,010
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	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	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	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	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	112
<del>CS-17</del>	04/28/23	12	<0.050	<0:050	<0:050	<0.150	<0.300	<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	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	592
					Side	wall Confirm	nation Sam	ples					
SW-1	04/10/23	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32	32	<10.0	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	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	144
\$₩-4	04/10/23	02	<0.050	<0:050	<0:050	<0:150	<0.300	<10.0	38	38	<10.0	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	256
5₩-5	04/10/23	Ž	<0.050	<0.050	<0:050	<0:150	<0.300	<10.0	100	100	19.1	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	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	32
\$₩-7	04/20/23	123'	<0.050	<0:050	<0:050	<0:150	₹0:300		<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	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	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	32

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

								ТРН					
Sample ID	Sample Date	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	Chloride
		(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table	I Closure Cr	iteria for So	il >100 feet [	Depth to Groui	ndwater 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	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	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
					V	ertical Defe	rral Sample	s					
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	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	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	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	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	160
					Ho	orizontal De	ferral samp	les					
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	400

Notes:

1. Values reported in mg/kg

5. TPH analyses by EPA Method SW 8015 Mod.

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

3. Bold indicates Analyte Detected

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

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

4. BTEX analyses by EPA Method SW 8021B 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

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

# Site Characterization



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



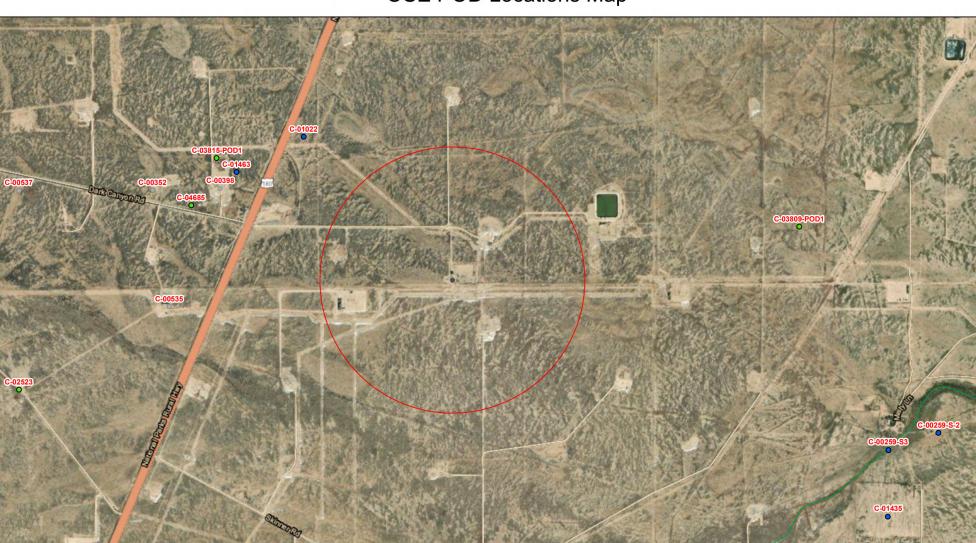
		1:56	4
0	0.01	0.01	0.02 mi
0	0.01	0.01	0.03 km

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

#### New Mexico Oil Conservation Division

New Mexico Oi conservation Division Q

# **OSE POD Locations Map**



GIS WATERS PODs 0

• Pending

Released to

- Active
- NHD Flowlines OSE District Boundary
  - Stream River SiteBoundaries

1:18,056 0.35 0.17 0.7 mi 0.6 0.3 1.2 km

0

0

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

40

Received by OCD: 7/21/2023 12:00:18 AM MCCord Enterprises 23 WCA #002H

Karst Potential Map

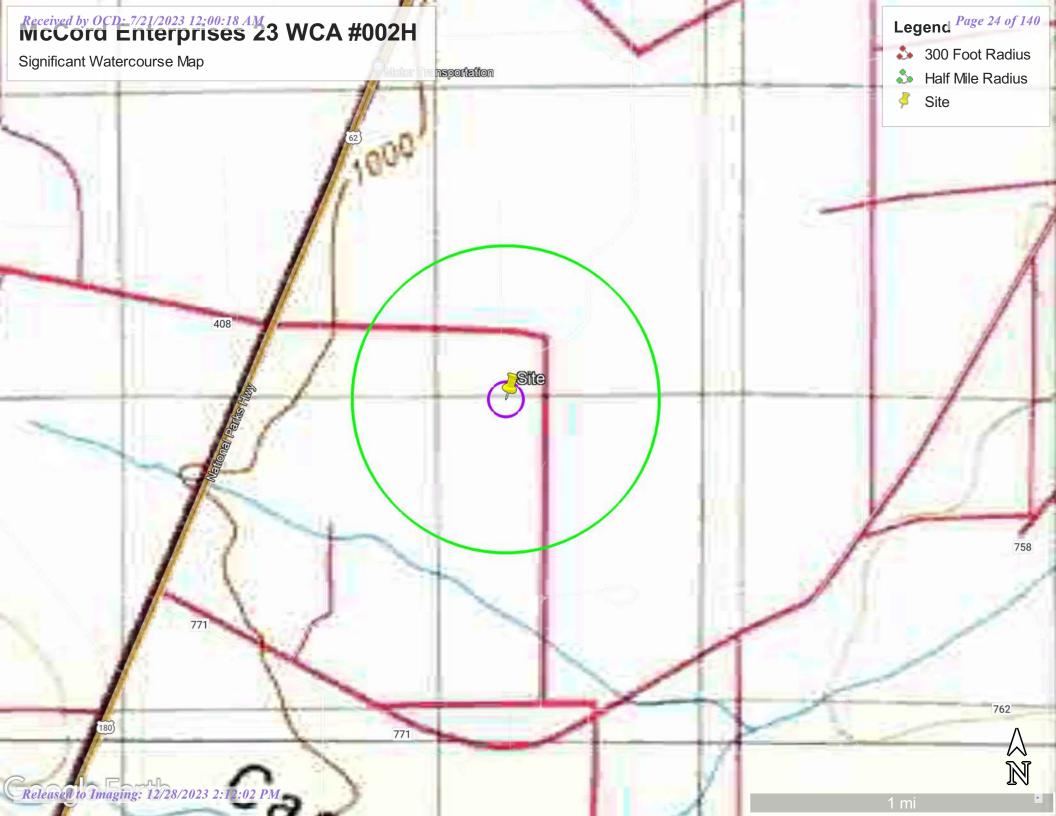




Grazaseg am an an 12/28/2023 2:12:02 PM

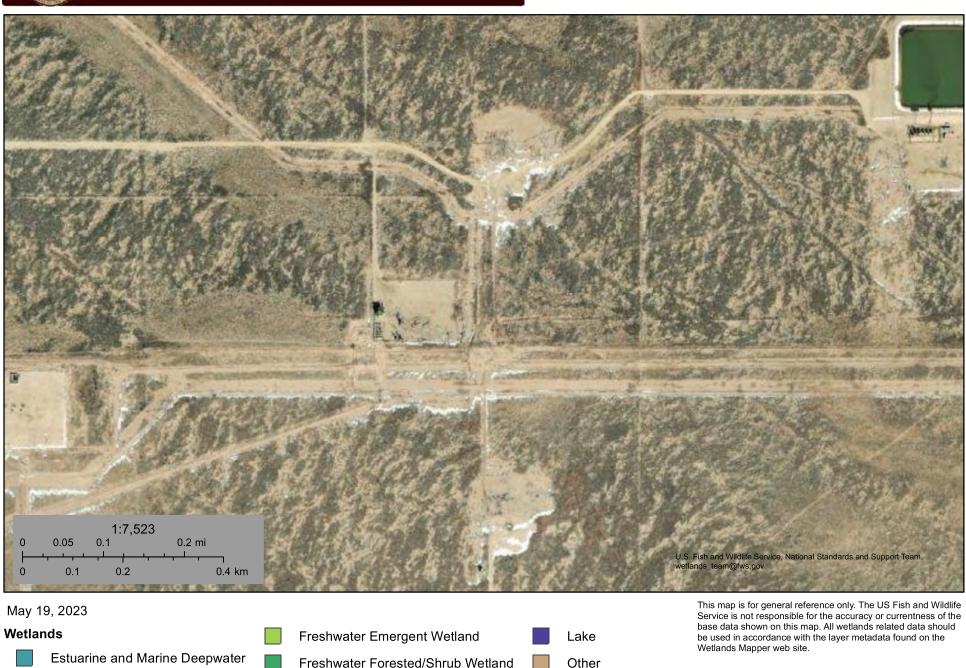
1000 ft

N



# U.S. Fish and Wildlife Service **National Wetlands Inventory**

# McCord Enterprises 23 WCA #002H



- Estuarine and Marine Wetland
- - **Freshwater Pond**

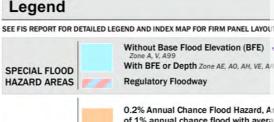
Other Riverine

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

# National Flood Hazard Layer FIRMette



### Legend

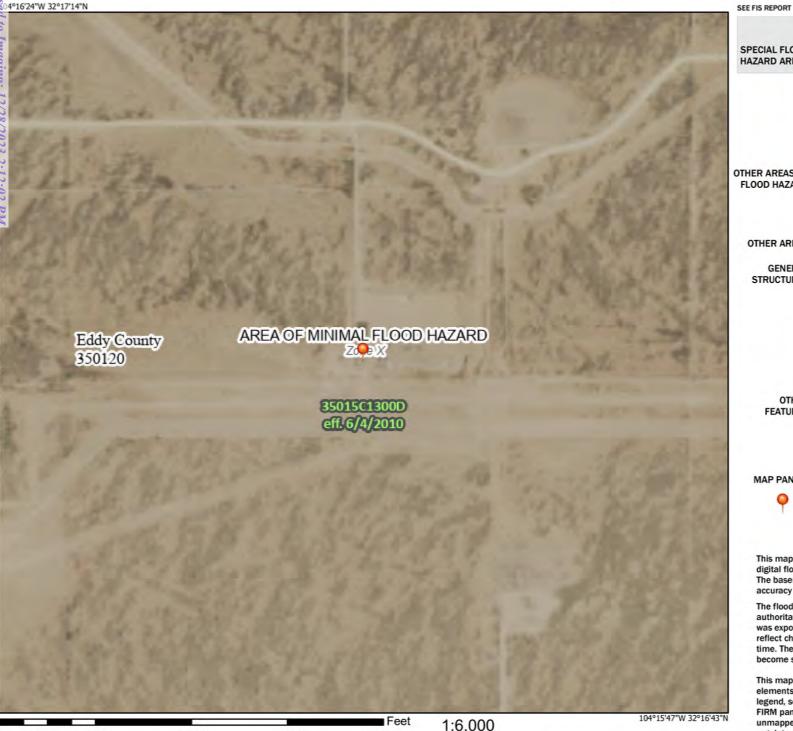


0.2% Annual Chance Flood Hazard, Arbas of 1% annual chance flood with avera depth less than one foot or with drain areas of less than one square mile zo Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zor NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - --- Channel, Culvert, or Storm Sewer STRUCTURES IIIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** ---------- Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary --- Coastal Transect Baseline OTHER **Profile Baseline** FEATURES Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS 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, N 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.



500

1,000

250

1,500

2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

# ATTACHMENT B: PHOTOGRAPHIC LOG

### 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.



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



### Photograph No. 4

Facility:	McCord Enterprises 23 WCA #002H
County:	Eddy County, New Mexico
<b>Description:</b> Area of excavatio	n.



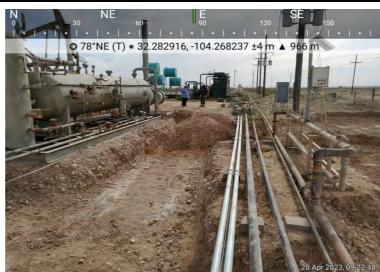
### Photograph No. 5

Facility:	McCord Enterprises 23 WCA #002H

Eddy County, New Mexico County:

### **Description:**

Area of excavation.



Photograph	h No. 6	NE E SE S 30
Facility:	McCord Enterprises 23 WCA #002H	
County:	Eddy County, New Mexico	
Description: Area of excav		

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



20 Apr 2023, 09:22:58

McCord Enterprises 23 WCA #002H		
Photograph No. 7		SE S SW V 120 150 180 210 240 2
Facility:	McCord Enterprises 23 WCA #002H	© 184°S (T) • 32.282865, -104.268059 ±8 m ▲ 971 m
County:	Eddy County, New Mexico	
Description:		
Area of excav	ation.	
Photograph	n No. 8	S SW W NW 180 210 240 270 300 330
Facility:	McCord Enterprises 23 WCA #002H	© 259°W (T) • 32.282874, -104.268144 ±6 m ▲ 971 m
County:	Eddy County, New Mexico	
<b>Description:</b> Area of excav	vation.	<u>Офизионали</u>
Photograph	n No. 9	NW 330 NE E 90 -
Facility:	McCord Enterprises 23 WCA #002H	© 30°N (T) • 32.282901, -104.268293 ±4 m ▲ 973 m
County:	Eddy County, New Mexico	
Description: Area of excav	vation.	



20 Apr 2023,



### Photograph No. 10

McCord Enterprises 23 WCA #002H Facility:

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

McCord Enterprises 23 WCA #002H Facility:

County: Eddy County, New Mexico

**Description:** Backfill of the facility.





# ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS

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

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

Ricardo,

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

JΗ

Jocelyn Harimon • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov 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, CSHO<sup>2</sup> Project Scientist (432) 556-2006 <u>Rbaer@ntglobal.com</u>



From:	Enviro, OCD, EMNRD
То:	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

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Ricardo,

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

JΗ

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, 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

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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, April 17, 2023, and continue through Friday, April 21, 2023. Please let me know if you have any questions.

Thank you,

Ricardo Baer, CSHO<sup>2</sup> Project Scientist (432) 556-2006 <u>Rbaer@ntglobal.com</u>



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

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Ricardo,

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JΗ

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



From: Ricardo Baer <RBaer@ntglobal.com>
Sent: Wednesday, 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, CSHO<sup>2</sup> 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,

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JΗ

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



From: 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: <u>432-444-3047 P: 432-770-1832 | nhart@ntglobal.com</u> |<u>www.ntglobal.com</u>



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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: Sent:	Becky Haskell Tuesday, May 2, 2023 2:51 PM
То:	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></robert.hamlet@emnrd.nm.gov>
Sent:	Wednesday, May 3, 2023 8:35 AM
То:	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 <<u>bhaskell@ntglobal.com</u>>
Sent: Tuesday, May 2, 2023 1:51 PM
To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>
Cc: Becky Haskell <<u>bhaskell@ntglobal.com</u>>; Ricardo Baer <<u>RBaer@ntglobal.com</u>>
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

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



**Environment Testing** 

# **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

See page two for job notes and contact information.



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

## **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

RAMER

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

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

1

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

SDG: 236891

Laboratory Job ID: 890-4001-1

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	Definitions/Glossary	
Client: NT Glob		÷,
-	Cord 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.	
¤	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"	

Minimum Detectable Activity (Radiochemistry)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

MDA

MDC

MDL ML

MPN

MQL

NC ND

NEG

POS

PQL

PRES QC

RER

RL RPD

TEF

TEQ

TNTC

Eurofins Carlsbad

4

### 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

## Client Sample ID: S-1 (2-2.5) Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

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	
oluene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	
thylbenzene	<0.00202	U	0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
n-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
-Xylene	< 0.00202		0.00202		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
(ylenes, Total	< 0.00403		0.00403		mg/Kg		02/09/23 10:02	02/10/23 03:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Bromofluorobenzene (Surr)		quamer	70 - 130				02/09/23 10:02	02/10/23 03:59	
,4-Difluorobenzene (Surr)	88		70 - 130				02/09/23 10:02	02/10/23 03:59	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	ulation							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403		0.00403		mg/Kg			02/10/23 12:40	1
			<b>0</b> 0)						
Method: SW846 8015 NM - Diese Analyte		Qualifier	RL	МП	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			49.9	MDL		<u></u>	Fiepaleu	02/13/23 17:32	1
	\$49.9	0	49.9		mg/Kg			02/13/23 17.32	I
lethod: SW846 8015B NM - Dies			(GC)						
nalyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sasoline Range Organics	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:19	1
GRO)-C6-C10	.10.0		10.0		117		00/00/00 40 05	00/11/00 00 10	
Diesel Range Organics (Over 210-C28)	<49.9	0	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:19	1
II 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
-Chlorooctane		S1-	70 - 130				02/08/23 10:35	02/11/23 23:19	
-Terphenyl	77	-	70 - 130				02/08/23 10:35	02/11/23 23:19	
/ethod: EPA 300.0 - Anions, Ion		hy - Solubi					02,00,20 70.00	02,1,120,20,10	·
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		24.8		mg/Kg			02/06/23 16:25	5
ient Sample ID: S-1 (3-3.5)							Lab Sar	nple ID: 890-	4001-2
te Collected: 01/30/23 12:00									x: Solid
te Received: 01/31/23 14:20									
	Organic Comp	ounds (GC	)						
Method: SW846 8021B - Volatile	organic comp		•	МП	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	RL		onne			Analyzeu	DIFAC
nalyte					mg/Kg		02/09/23 10:02	02/10/23 04:26	-
Analyte Benzene	Result	U							1
Analyte Benzene Foluene	Result <0.00199	U U	0.00199		mg/Kg mg/Kg		02/09/23 10:02	02/10/23 04:26	1
Method: SW846 8021B - Volatile Analyte Benzene Foluene Ethylbenzene n-Xylene & p-Xylene	Result           <0.00199	บ บ บ	0.00199 0.00199		mg/Kg		02/09/23 10:02 02/09/23 10:02	02/10/23 04:26 02/10/23 04:26	1

o-Xylene Xylenes, Total	<0.00199 <0.00398	•	0.00199 0.00398	mg/Kg mg/Kg	02/09/23 10:02 02/09/23 10:02	02/10/23 04:26 02/10/23 04:26	1 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

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Job ID: 890-4001-1 SDG: 236891

## Lab Sample ID: 890-4001-1

Matrix: Solid

5

Page 6 of 34

Job ID: 890-4001-1 SDG: 236891

Matrix: Solid

5

Lab Sample ID: 890-4001-2

## Client Sample ID: S-1 (3-3.5) Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Client: NT Global

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/11/23 23:40	1
(GRO)-C6-C10									
Diesel Range Organics (Over	84.3		49.9		mg/Kg		02/08/23 10:35	02/11/23 23:40	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
Analyte	• •	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)

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

## Lab Sample ID: 890-4001-3 Matrix: Solid

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

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 - Dies	sel Range Organ	ics (DRO) (C	SC)						
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 - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:01	1
C10-C28)									

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Job ID: 890-4001-1 SDG: 236891

Matrix: Solid

Matrix: Solid

5

12 13

Lab Sample ID: 890-4001-3

## Client Sample ID: S-2 (2-2.5) Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Client: NT Global

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

Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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 R	ange Organ	ics (DRO) (O	SC)						
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	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 00:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 00:22	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
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 Sample ID: S-3 (1-1.5) Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

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
n-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
Kylenes, 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)			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 - T	otal BTEX Cal	culation							
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 - Diese	l Range Organ	ics (DRO) (O	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fotal TPH	<49.9	U	49.9		mg/Kg			02/13/23 17:32	1
Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	<49.9 <49.9	U U	49.9 49.9		mg/Kg mg/Kg		02/08/23 10:35 02/08/23 10:35	02/12/23 00:44 02/12/23 00:44	1
(GRO)-C6-C10									1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 00:44	1
					ing/itg				
Surrogate	%Recovery		Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	66	S1-	70 - 130				02/08/23 10:35	02/12/23 00:44	1
p-Terphenyl	78		70 - 130				02/08/23 10:35	02/12/23 00:44	1
Method: EPA 300.0 - Anions, Ion	• •	-							
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			02/06/23 16:53	1
lient Sample ID: S-3 (2-2.5)							Lab Sar	nple ID: 890-	4001-6
ate Collected: 01/30/23 12:00								Matri	x: Solid
ate Received: 01/31/23 14:20									
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Rilaiyte									
Benzene	<0.00198	U	0.00198		mg/Kg		02/09/23 10:02	02/10/23 06:13	1
-			0.00198		mg/Kg mg/Kg		02/09/23 10:02 02/09/23 10:02	02/10/23 06:13 02/10/23 06:13	

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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Job ID: 890-4001-1 SDG: 236891

## Lab Sample ID: 890-4001-5

Matrix: Solid

5

Job ID: 890-4001-1 SDG: 236891

Lab Sample ID: 890-4001-6

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

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

Client: NT Global

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:05	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 01:05	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
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)

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

## Lab Sample ID: 890-4001-7 Matrix: Solid

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

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 - Dies	el Range Organ	ics (DRO) (C	SC)						
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 - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	<49.9		49.9		mg/Kg		02/08/23 10:35	02/12/23 01:26	1
Gasoline Range Organics	<49.9	0							
	<49.9	0							
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9		49.9		mg/Kg		02/08/23 10:35	02/12/23 01:26	1

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Matrix: Solid

5

Job ID: 890-4001-1 SDG: 236891

Matrix: Solid

Matrix: Solid

5

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Lab Sample ID: 890-4001-7

## Client Sample ID: S-3 (3-3.5) Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Client: NT Global

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll 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	Chromatograp	hy - Solubl	e						
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**

Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Method: SW846 8021B - Volati	le Organic Comp	ounds (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	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 02:09	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 02:09	1
C10-C28)									
Oll 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	Chromatograp	ohy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.26		4.97		mg/Kg			02/06/23 17:17	1

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

## **Client Sample Results**

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

## **Client Sample ID: H-2**

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

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 - T	otal BTEX Cal	culation							
Analyte		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 - Diese	l Range Organ	ics (DRO) (0	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 - Dies	sel Range Orga	nics (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	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:31	1
C10-C28) Oll 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	Chromatograp	ohy - Solubl	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	253		5.04		mg/Kg			02/06/23 17:21	1
lient Sample ID: H-3							Lab Sam	ple ID: 890-4	001-10
ate Collected: 01/30/23 12:00 ate Received: 01/31/23 14:20								Matri	x: Solid
Method: SW846 8021B - Volatile	Organic Comp	ounds (GC)							
Method: SW846 8021B - Volatile Analyte		ounds (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

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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Job ID: 890-4001-1 SDG: 236891

## Lab Sample ID: 890-4001-9

Matrix: Solid

5

Job ID: 890-4001-1 SDG: 236891

Lab Sample ID: 890-4001-10

## **Client Sample ID: H-3**

Client: NT Global

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

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 Organ	ics (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 - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 02:53	1
C10-C28)									
Oll 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	Chromatograp	hv - Solubl	е						
Analyte		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**

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20 Lab Sample ID: 890-4001-11 Matrix: Solid

## 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

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 - Dies	el Range Organ	ics (DRO) (C	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 - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
							00/00/00 40 05	00/40/00 00 45	
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/08/23 10:35	02/12/23 03:15	1

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02/12/23 03:15

02/08/23 10:35

Matrix: Solid

5

Diesel Range Organics (Over

C10-C28)

50.0

mg/Kg

<50.0 U

1

Matrix: Solid

Matrix: Solid

Job ID: 890-4001-1 SDG: 236891

## **Client Sample ID: H-4**

Client: NT Global

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

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

Date Collected: 01/30/23 12:00

Date Received: 01/31/23 14:20

Method: SW846 8021B - Volati	ile Organic Comp	ounds (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	Pr	epared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg				02/10/23 14:06	1

Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (O	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	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 03:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/08/23 10:35	02/12/23 03:36	1
C10-C28)									
Oll 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	Chromatograp	hy - Solubl	e						
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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Lab Sample ID: 890-4001-11

Job ID: 890-4001-1
SDG: 236891

Prep Type: Total/NA

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

Matrix: Solid

Client: NT Global

-				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-4000-A-1-C MS	Matrix Spike	113	95	·	- 5
890-4000-A-1-D MSD	Matrix Spike Duplicate	116	94		
890-4001-1	S-1 (2-2.5)	125	88		- 2
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

Percent Surrogate Recovery (Acceptance Limits) 1001 OTPH1 Lab Sample ID **Client Sample ID** (70-130) (70-130) 890-3990-A-1-D MS 74 78 Matrix Spike 77 890-3990-A-1-E MSD Matrix Spike Duplicate 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 69 S1-H-1 57 S1-H-2 74 890-4001-9 65 S1-890-4001-10 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 116 98 MB 880-45765/1-A 80 101 Method Blank Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Prep Type: Total/NA

## **QC Sample Results**

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

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

Lab Sample ID: MB 880-45843	3/5-A								Clie	ent Sa	mple ID: Meth	nod I	Blank
Matrix: Solid											Prep Type		
Analysis Batch: 45841											Prep Bat		
	MB	МВ											
Analyte	Result	Qualifier	RL		MDL	Unit		D	Prepa	red	Analyzed	ŗ	Dil Fac
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	j	1
Ethylbenzene	<0.00200	U	0.00200			mg/Kg			02/09/23	08:32	02/09/23 11:26	j	1
m-Xylene & p-Xylene	<0.00400	U	0.00400			mg/Kg			02/09/23	08:32	02/09/23 11:26	 j	1
o-Xylene	<0.00200	U	0.00200			mg/Kg			02/09/23	08:32	02/09/23 11:26	j	1
Xylenes, Total	<0.00400	U	0.00400			mg/Kg			02/09/23	08:32	02/09/23 11:26	j	1
	MB												
Surrogate	%Recovery		Limits						Prepa		Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130						02/09/23		02/09/23 11:26		1
1,4-Difluorobenzene (Surr)	89		70 - 130						02/09/23	08:32	02/09/23 11:26	i	1
- Lab Comple ID: MD 890 45991									01		male ID: Meth		Diamir
Lab Sample ID: MB 880-4588	D/J-A								Cile	ent Sa	mple ID: Meth		
Matrix: Solid											Prep Type		
Analysis Batch: 45841	МР	мр									Prep Bat	.cn: 4	15885
A b -d		MB				11		_	Duran		A		
Analyte		Qualifier	RL		MDL	Unit		<u>D</u>	Prepa		Analyzed		Dil Fac
Benzene	< 0.00200		0.00200			mg/Kg			02/09/23		02/10/23 01:46		1
Toluene	<0.00200		0.00200			mg/Kg			02/09/23		02/10/23 01:46		1
Ethylbenzene	< 0.00200		0.00200			mg/Kg			02/09/23		02/10/23 01:46		1
m-Xylene & p-Xylene	< 0.00400		0.00400			mg/Kg			02/09/23		02/10/23 01:46		1
o-Xylene	< 0.00200		0.00200			mg/Kg			02/09/23		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
	MB	МВ											
Surrogate	%Recovery	Qualifier	Limits						Prepa	red	Analyzed	l	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
Ξ													
Lab Sample ID: LCS 880-4588	35/1-A							C	lient Sa	mple I	D: Lab Contro		-
Matrix: Solid											Prep Type		
Analysis Batch: 45841											Prep Bat	ch: 4	15885
			Spike	LCS	LCS						%Rec		
Analyte			Added	Result	Qua	lifier	Unit		%F	Rec	Limits		
Benzene			0.100	0.09059			mg/Kg			91	70 - 130		
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		
	LCS LCS	:											
Surrogate	%Recovery Qua		Limits										
4-Bromofluorobenzene (Surr)	102		70 - 130										
1.4-Difluorobenzene (Surr)	94		70 - 130										
	77		/0 - /00										
Lab Sample ID: LCSD 880-458	885/2-A						Cli	ient	Sample	ID: La	ab Control Sa	mple	e Dup
Matrix: Solid							-				Prep Type		
Analysis Batch: 45841											Prep Bat		
			Spike	LCSD	LCS	D					%Rec		RPD
Analyte			Added	Result			Unit		D %F	Rec		PD	Limit

Job ID: 890-4001-1 SDG: 236891

Analysis Batch: 45841							Prep B	atch: 45885
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09059		mg/Kg		91	70 - 130	
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	

ſ	Lab Sample ID: LCSD 880-45885/2-A Matrix: Solid			Clier	nt Sam	ple ID: I	Lab Contro	l Sampl vpe: To		
	Analysis Batch: 45841							100 C	Batch:	
	· ·····	Spike	LCSD	LCSD				%Rec		RPD
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	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 880-4	5885/2-A					Clier	nt Sam	ple ID:	Lab Contro	I Sampl	e Dup
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 45841									Prep	Batch:	45885
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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	3
o-Xylene			0.100	0.1077		mg/Kg		108	70 - 130	17	3
	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-	4.0.46							Client	Sample ID	Motrix	Spile
Matrix: Solid								Client		. Matrix Type: To	
Analysis Batch: 45841	Sample	Sample	Spike	MS	MS				%Rec	Batch:	4000
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00202		0.100	0.09720	Quanter	mg/Kg		97	70 - 130		
Toluene	< 0.00202		0.100	0.09843		mg/Kg		98	70 - 130		
Ethylbenzene	< 0.00202		0.100	0.09404		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene	< 0.00202	U	0.201	0.1810		mg/Kg		90	70 - 130		
o-Xylene	< 0.00202		0.100	0.09133		mg/Kg		91	70 - 130		
	MS	MS				0 0					
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)		quaimer	70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130 70 - 130								
-											
Lab Sample ID: 890-4000-A-	1-D MSD					Cli	ient Sa	ample IE	D: Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 45841										Batch:	
	•	Sample	Spike	MSD					%Rec		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00202	U	0.0990	0.09173		mg/Kg		93	70 - 130	6	35
Toluene	<0.00202		0.0990	0.09561		mg/Kg		97	70 - 130	3	3
Ethylbenzene	<0.00202		0.0990	0.09271		mg/Kg		94	70 - 130	1	3
m-Xylene & p-Xylene	<0.00403		0.198	0.1767		mg/Kg		89	70 - 130	2	3
o-Xylene	<0.00202	U	0.0990	0.09056		mg/Kg		91	70 - 130	1	35
	Men	MSD									

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)			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	МВ	МВ					Client Sa	mple ID: Metho Prep Type: ⊺ Prep Batch	Total/NA
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier	RL 50.0	MDL	Unit mg/Kg	<u> </u>	Prepared 02/08/23 10:35	Analyzed 02/11/23 20:28	Dil Fac

Lab Sample ID: MB 880-45765/1-A

Matrix: Solid

Analyte

C10-C28)

Surrogate 1-Chlorooctane

o-Terphenyl

Matrix: Solid

Analysis Batch: 46052

**Diesel Range Organics (Over** 

Oll Range Organics (Over C28-C36)

Lab Sample ID: LCS 880-45765/2-A

## QC Sample Results

RL

50.0

50.0

Limits

70 - 130 70 - 130

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

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

MB MB

<50.0 U

<50.0 U MB MB %Recovery Qualifier

80

101

Result Qualifier

lts						
				Job ID: 890	-4001-1 236891	
ed)				000.	200031	
euj			Client Sa	mple ID: Metho	d Blank	
				Prep Type: 1 Prep Batch	Total/NA	
MDL	Unit		Dreneved			5
MDL	mg/Kg	<u>D</u>	Prepared 02/08/23 10:35	Analyzed 02/11/23 20:28	Dil Fac 1	
	mg/Kg		02/08/23 10:35	02/11/23 20:28	1	7
			Prepared	Analyzed	Dil Fac	8
			02/08/23 10:35	02/11/23 20:28	1	
			02/08/23 10:35	02/11/23 20:28	1	9
		C	lient Sample I	D: Lab Control	Sample	

Prep Type: Total/NA

Analysis Batch: 46052									Prep	Batch: 45765
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	934.0		mg/Kg		93	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	942.0		mg/Kg		94	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	105		70 _ 130							

o-Terphenyl	119	70 - 130								
Lab Sample ID: LCSD 880-45765/3-A Matrix: Solid Analysis Batch: 46052					Clie	nt Sam	ple ID: I		I Sampl Type: To Batch:	tal/NA
		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10		1000	922.0		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)		1000	947.5		mg/Kg		95	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	116		70 - 130

Lab Sample ID: 890-3990-A-1- Matrix: Solid Analysis Batch: 46052	DMS							Client		: Matrix Type: To Batch:	otal/NA
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1111		mg/Kg		111	70 - 130		
Diesel Range Organics (Over C10-C28)	138		997	1391		mg/Kg		126	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
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)

Matrix: Solid	MSD						anone O		): Matrix Sp Prep 1	ріке Du <sub>l</sub> Гуре: То	tal/N/
Analysis Batch: 46052										Batch:	
Analysis Datch. 40032	Sample	Sample	Spike	MSD	MSD				%Rec	Daten.	RPI
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics	<49.9		999	1127	quamor	mg/Kg		113	70 - 130	1	2
(GRO)-C6-C10	10.0	0	000			mg/rtg		110	10-100	·	-
Diesel Range Organics (Over	138		999	1421		mg/Kg		128	70 - 130	2	2
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	77		70 - 130								
o-Terphenyl	78		70 - 130								
lethod: 300.0 - Anions, Ior	<b>Chromat</b>	ography									
Lab Sample ID: MB 880-45328/	1-A							Client S	Sample ID:	Method	Blar
Matrix: Solid									Prep	Type: S	olub
Analysis Batch: 45610											
		MB MB									
Analyte	R	esult Qualifier		RL	MDL Unit		<u>D</u> _ F	repared	Analyz	zed	Dil F
Chloride	<	<5.00 U		5.00	mg/K	g			02/06/23	15:01	
Matrix: Solid	/2-A						Clien	t Sample	e ID: Lab Co Prep	Type: S	
Matrix: Solid Analysis Batch: 45610	/2-A		Spike		LCS	11		-	Prep %Rec		
Matrix: Solid Analysis Batch: 45610 <sup>Analyte</sup>	/2-A		Added	Result	LCS Qualifier	Unit		%Rec	Prep %Rec Limits		
Matrix: Solid Analysis Batch: 45610 <sup>Analyte</sup>	/2-A		-			Unit mg/Kg		-	Prep %Rec		
Matrix: Solid Analysis Batch: 45610 Analyte Chloride			Added	Result		mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	olub
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532			Added	Result		mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid			Added	Result		mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid			Added 250	Result 255.7		mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110	Type: S	le Du
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610			Added	Result 255.7 LCSD	Qualifier	mg/Kg	D	%Rec 102	Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: S	le Du olub RF
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte			Added 250 Spike	Result 255.7 LCSD	Qualifier	mg/Kg	D_	%Rec 102 nple ID:	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec	Type: S	le Du olub RF Lin
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte			Added 250 Spike Added	Result 255.7 LCSD Result	Qualifier	mg/Kg Clie Unit	D_	%Rec 102 nple ID: %Rec	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	Type: S DI Sampl Type: S RPD	le Du olub RF Lin
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride			Added 250 Spike Added	Result 255.7 LCSD Result	Qualifier	mg/Kg Clie Unit	D_	%Rec 102 hple ID: %Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	Type: S DI Sampl Type: S <u>RPD</u> 0	le Du olub RF Lin
Lab Sample ID: LCS 880-45328 Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid			Added 250 Spike Added	Result 255.7 LCSD Result	Qualifier	mg/Kg Clie Unit	D_	%Rec 102 hple ID: %Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S <u>RPD</u> 0	le Du olub RF Lin (2-2.
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS			Added 250 Spike Added	Result 255.7 LCSD Result	Qualifier	mg/Kg Clie Unit	D_	%Rec 102 hple ID: %Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: S ol Sampl Type: S <u>RPD</u> 0 ID: S-2	le Du solub RF Lim (2-2.4
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid	18/3-A		Added 250 Spike Added	Result 255.7 LCSD Result 256.7	Qualifier	mg/Kg Clie Unit	D_	%Rec 102 hple ID: %Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	Type: S ol Sampl Type: S <u>RPD</u> 0 ID: S-2	le Du solub RF Lim (2-2.4
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analysis Batch: 45610	18/3-A Sample	Sample Qualifier	Added 250 Spike Added 250	Result 255.7 LCSD Result 256.7 MS	Qualifier LCSD Qualifier	mg/Kg Clie Unit	D_	%Rec 102 hple ID: %Rec 103	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample Prep	Type: S ol Sampl Type: S <u>RPD</u> 0 ID: S-2	le Du solub RF Lin (2-2.
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analysis Batch: 45610 Analyte	18/3-A Sample	-	Added 250 Spike Added 250 Spike	Result 255.7 LCSD Result 256.7 MS	Qualifier LCSD Qualifier MS	Unit mg/Kg	D_ ent San D_	%Rec 102 nple ID: %Rec 103 Clie	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample Prep %Rec	Type: S ol Sampl Type: S <u>RPD</u> 0 ID: S-2	le Du solub RF Lin (2-2.
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analysis Batch: 45610 Analyte Chloride	Sample Result 93.9	-	Added 250 Spike Added 250 Spike Added	Result 255.7 LCSD Result 256.7 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ ent San D_	%Rec           102           nple ID:           %Rec           103           Clie           %Rec           101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 %Rec Prep %Rec Limits 90 - 110	Type: S DI Sampl Type: S RPD 0 ID: S-2 Type: S	le Du olub RF Lin (2-2
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analysis Batch: 45610 Analyte Chloride	Sample Result 93.9	-	Added 250 Spike Added 250 Spike Added	Result 255.7 LCSD Result 256.7 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ ent San D_	%Rec           102           nple ID:           %Rec           103           Clie           %Rec           101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample %Rec Limits 90 - 110	Type: S DI Sampl Type: S <u> RPD</u> 0 ID: S-2 Type: S ID: S-2	le Du colub RF Lin (2-2 (2-2
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analyte Chloride Lab Sample ID: 890-4001-3 MSI Matrix: Solid	Sample Result 93.9	-	Added 250 Spike Added 250 Spike Added	Result 255.7 LCSD Result 256.7 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ ent San D_	%Rec           102           nple ID:           %Rec           103           Clie           %Rec           101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample %Rec Limits 90 - 110	Type: S DI Sampl Type: S RPD 0 ID: S-2 Type: S	le Du colub RF Lin (2-2 (2-2
Matrix: Solid Analysis Batch: 45610 Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid	8/3-A Sample Result 93.9	Qualifier	Added 250 Spike Added 250 Spike Added 249	Result 255.7 LCSD Result 256.7 MS Result 346.1	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	D_ ent San D_	%Rec           102           nple ID:           %Rec           103           Clie           %Rec           101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample 90 - 110 ent Sample Prep	Type: S DI Sampl Type: S <u> RPD</u> 0 ID: S-2 Type: S ID: S-2	le Du olub RF (2-2 olub (2-2 olub
Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: LCSD 880-4532 Matrix: Solid Analysis Batch: 45610 Analyte Chloride Lab Sample ID: 890-4001-3 MS Matrix: Solid Analyte Chloride Lab Sample ID: 890-4001-3 MSI Matrix: Solid	8/3-A Sample Result 93.9 D Sample	-	Added 250 Spike Added 250 Spike Added	Result 255.7 LCSD Result 256.7 MS Result 346.1	Qualifier LCSD Qualifier MS	Unit Unit Unit	D_ ent San D_	%Rec           102           nple ID:           %Rec           103           Clie           %Rec           101	Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 ent Sample %Rec Limits 90 - 110	Type: S DI Sampl Type: S <u> RPD</u> 0 ID: S-2 Type: S ID: S-2	le Du folub RF Lin (2-2 (2-2

## **QC Association Summary**

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

## 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
Drop Batch: 45942					

#### Prep Batch: 45843

Lab Sample ID	Client Sample ID	Ргер Туре	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	Ргер Туре	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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## Job ID: 890-4001-1

SDG: 236891

## **QC Association Summary**

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

## GC VOA (Continued)

## Analysis Batch: 45993 (Continued)

		Matrix	Method	Prep Batch
S-3 (3-3.5)	Total/NA	Solid	Total BTEX	
H-1	Total/NA	Solid	Total BTEX	
H-2	Total/NA	Solid	Total BTEX	
Н-3	Total/NA	Solid	Total BTEX	
H-4	Total/NA	Solid	Total BTEX	
H-5	Total/NA	Solid	Total BTEX	
	H-1 H-2 H-3 H-4	H-1 Total/NA H-2 Total/NA H-3 Total/NA H-4 Total/NA	H-1Total/NASolidH-2Total/NASolidH-3Total/NASolidH-4Total/NASolid	H-1Total/NASolidTotal BTEXH-2Total/NASolidTotal BTEXH-3Total/NASolidTotal BTEXH-4Total/NASolidTotal 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	Н-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	Ргер Туре	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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### Job ID: 890-4001-1 SDG: 236891

## **QC Association Summary**

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

### 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	
LCSD 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	Ргер Туре	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	Н-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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### Job ID: 890-4001-1 SDG: 236891

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Job ID: 890-4001-1

SDG: 236891

## **QC** Association Summary

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

## 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

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

## Lab Sample ID: 890-4001-1 Matrix: Solid

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

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

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

## Lab Sample ID: 890-4001-2

Lab Sample ID: 890-4001-3

Lab Sample ID: 890-4001-4

Matrix: Solid

Matrix: Solid

#### Client Sample ID: S-1 (3-3.5) Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Client Sample ID: S-2 (2-2.5) Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

### Client Sample ID: S-2 (3-3.5) Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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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Released to Imaging: 12/28/2023 2:12:02 PM

Matrix: Solid

Job ID: 890-4001-1 SDG: 236891

## Lab Sample ID: 890-4001-4 Matrix: Solid

Lab Sample ID: 890-4001-5

Lab Sample ID: 890-4001-6

Lab Sample ID: 890-4001-7

Matrix: Solid

Matrix: Solid

Matrix: Solid

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

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

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Client Sample ID: S-3 (1-1.5) Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

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

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### Client Sample ID: S-3 (3-3.5) Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

Eurofins Carlsbad

## Lab Chronicle

Job ID: 890-4001-1 SDG: 236891

Lab Sample ID: 890-4001-7

Lab Sample ID: 890-4001-8

Lab Sample ID: 890-4001-9

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

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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**

#### Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

#### **Client Sample ID: H-2** Date Collected: 01/30/23 12:00 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	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 MIC
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** Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

## Lab Sample ID: 890-4001-10

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

**Eurofins Carlsbad** 

Matrix: Solid

Matrix: Solid

Matrix: Solid

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

Project/Site: McCord Enterprises 23 WCA #2H

Job ID: 890-4001-1 SDG: 236891

## Lab Sample ID: 890-4001-11 Matrix: Solid

Lab Sample ID: 890-4001-12

Matrix: Solid

## Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

**Client Sample ID: H-4** 

Client: NT Global

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	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	СН	EET MID

# Client Sample ID: H-5

Date Collected: 01/30/23 12:00 Date Received: 01/31/23 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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

90-4001-1 G: 236891 2

> **5** 6

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# **Accreditation/Certification Summary**

Page 74 of 140

Client: NT Global Project/Site: McCord E	Enterprises 23 WCA #2	2H	-	Job ID: 890-4001-1 SDG: 236891	2
Laboratory: Eurof Unless otherwise noted, all a		were covered under each acc	reditation/certification below.		
Authority		Program	Identification Number	Expiration Date	
Texas		NELAP	T104704400-22-25	06-30-23	5
The following analytes the agency does not o		but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		
					8
					9
					10
					13

Eurofins Carlsbad

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Page 75 of 140

Job ID: 890-4001-1
SDG: 236891

8021B       Volatile Organic Compounds (GC)         Total BTEX       Total BTEX Calculation         8015 NM       Diesel Range Organics (DRO) (GC)         8015B NM       Diesel Range Organics (DRO) (GC)         300.0       Anions, Ion Chromatography         5035       Closed System Purge and Trap         8015NM Prep       Microextraction         DI Leach       Deionized Water Leaching Procedure         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         TAL SOP = TestAmerica Laboratories, Standard Operating Procedure	SW846 TAL SOP SW846 SW846 EPA SW846 SW846 ASTM	EET MID EET MID EET MID EET MID EET MID EET MID EET MID EET MID EET MID
8015 NM       Diesel Range Organics (DRO) (GC)         8015B NM       Diesel Range Organics (DRO) (GC)         300.0       Anions, Ion Chromatography         5035       Closed System Purge and Trap         8015NM Prep       Microextraction         DI Leach       Deionized Water Leaching Procedure         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	SW846 SW846 EPA SW846 SW846	EET MID EET MID EET MID EET MID EET MID
8015B NM       Diesel Range Organics (DRO) (GC)         300.0       Anions, Ion Chromatography         5035       Closed System Purge and Trap         8015NM Prep       Microextraction         DI Leach       Deionized Water Leaching Procedure         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	SW846 EPA SW846 SW846	EET MID EET MID EET MID EET MID
300.0       Anions, Ion Chromatography         5035       Closed System Purge and Trap         8015NM Prep       Microextraction         DI Leach       Deionized Water Leaching Procedure         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	EPA SW846 SW846	EET MID EET MID EET MID
5035       Closed System Purge and Trap         8015NM Prep       Microextraction         DI Leach       Deionized Water Leaching Procedure         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	SW846 SW846	EET MID EET MID
8015NM Prep Microextraction DI Leach Deionized Water Leaching Procedure 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	SW846	EET MID
DI Leach Deionized Water Leaching Procedure  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		
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	ASTM	EET MID
ASTM = ASTM International EPA = US Environmental Protection Agency SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its		
EPA = US Environmental Protection Agency SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its		
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its		
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure	Updates.	
Laboratory References:		
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440		

Eurofins Carlsbad

Lab Sample ID
890-4001-1

890-4001-2

890-4001-3

890-4001-4

890-4001-5

890-4001-6

890-4001-7

890-4001-8

890-4001-9

890-4001-10

890-4001-11

890-4001-12

Solid

Solid

Solid

Solid

Solid

Solid

Solid

**Client Sample ID** 

S-1 (2-2.5)

S-1 (3-3.5)

S-2 (2-2.5)

S-2 (3-3.5)

S-3 (1-1.5)

S-3 (2-2.5)

S-3 (3-3.5)

H-1

H-2

H-3

H-4

H-5

Matrix	Collected	Received	
Solid	01/30/23 12:00	01/31/23 14:20	
Solid	01/30/23 12:00	01/31/23 14:20	
Solid	01/30/23 12:00	01/31/23 14:20	5
Solid	01/30/23 12:00	01/31/23 14:20	Э
Solid	01/30/23 12:00	01/31/23 14:20	

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Page	76	of 1	40

12 13 14

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

Project Manager: Be	Becky Haskell		-	Bill to: (if different)	0	Chris Martin	Aartin		Work C	Work Order Comments	nments	
	NTG Environmental		0	Company Name:	e:	Earths	Earthstone Operating LLC	ating LLC	Program: UST/PST PRP	Brownfie	Brownfields RRC	uperfund
	701 Tradewinds BLVD		1	Address:		600 N.	Marienfel	600 N. Marienfeld, Suite 1000	State of Project:	l		
te ZIP:	Midland, TX 79706		0	City, State ZIP:		Midlan	Midland TX,79701		Reporting:Level II Level III			
	(432)766-1918		Email: 0	Email: cmartin@earthstoneenergy.com	thstoneene	ergy.com			Deliverables: EDD		J Other:	
Name:	McCord Enterprises 23 WCA #2H	ICA #2H	Turn .	Turn Around	_			ANALYSIS REQUEST	IUEST	-	Preservative Codes	Codes
91:	236891		✓ Routine	Rush	Pres. Code					No	None: NO DI	DI Water: H <sub>2</sub> O
Project Location	Eddy Co, NM.		Due Date:				)			Co	⊻	MeOH: Me
Sampler's Name	Jordan Tyner		TAT starts the day received by the	ay received by th	he	_	MRO			HO		HNO3: HN
PO #:			tab, if receiv	red by 4:30pm	-		0 + N			H <sub>2</sub>	H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> Na	NaOH: Na
SAMPLE RECEIPT	Temp Blank:	X62 NO	Wet Ice:	Mes No	nete	21B				-	H₃PO₄: HP	
Received Intact:	Red No	Thermometer ID:	ler ID:	Inv-80	arar	( 802					NaHSO4: NABIS	
Cooler Custody Seals:	No	Correction Factor:	Factor:	-0.1	P	BTE)	l ( G Chlor	890-4001 Chain of Custody			Na25203: NASO3	5
Sample Custody Seals:	Yes No NA	Temperatu	Temperature Reading:	1.a	Ţ						And Hadre Hadrin Anid: SAPC	+ SAPC
Sample Identification	cation Date	Time	Time Soil	Water Grab/	b/ # of		ТРН				Sample Comments	ments
S-1 (2-2.5)	) 1/30/2023		×	Grab/		×	×					
S-1 (3-3.5)			×	Grab/	ib/ 1	×	× ×					
S-2 (2-2.5)			×	Grab/	ib/ 1	×	× ×					
S-2 (3-3.5)	) 1/30/2023		×	Grab/	1b/ 1	×	××					
S-3 (1-1.5)	) 1/30/2023		×	Grab/	1b/ 1	×	×					
S-3 (2-2.5)	) 1/30/2023		×	Grab/	1b/ 1	×	××					
S-3 (3-3.5)	) 1/30/2023		×	Grab/	1b/	×	××					
H-1	1/30/2023		×	Grab/	ub/ 1	×	*					
H-2	1/30/2023		×	Grab/	1b/ 1	×	×					
H-3	1/30/2023		×	Grab/	1b/ 1	×	××					
Additoina	Additoinal Comments:											
Notice: Signature of this docu of service. Xenco will be liab of Xenco. A minimum charge	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractor 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 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	nples constitute nd shall not ass n project and a c	s a valid purchase ume any responsi harge of \$5 for ea	e order from clien blity for any loss ich sample submi	it company to ses or expens litted to Xencc	Xenco, its es incurred ), but not an	affiliates and by the client alyzed. Thes		s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.			
Relinquished by: /S			Received by: (Signature)	e)	_	フットッノエー	л Д		ure) Received by: (Signature)	ignature)	Date	
	Signature)					Date/ I litte	10					Date/Time
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## Received by OCD: 7/21/2023 12:00:18 AM



Work Order No:

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13

Chain of Custody

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(Signature) Date/Time	Ire) Received by: (Signature)	Relinquished by: (Signature)	Time	Date/Time		Received by: (Signature)	Recei	D	y: (Signature)	Relinquished by: (Signature)
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	terms and conditions as beyond the control busiv negotiated	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 service. A minimum of service a service of service as a service of the client if such losses are due to circumstances beyond the control of service. A minimum of service as a service of service of service and scheme of service as a service of the service of service of service as a service of se	its affiliates an red by the clier	any to Xenco, xpenses Incur	order from client comp ility for any losses or e	itutes a valld purchase assume any responsi	nples consi nd shall no	uishment of san ost of samples a	e liable only for the co	Notice: Signature of this of service. Xenco will b
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			×	 ×	Grab/	×		1/30/2023	Ġ	H-5
			+-	+	Grab/	×		1/30/2023	4	H-4
Sample Comments			TP	# of Cont	Water Grab/ Comp	Soil	Time	Date	ntification	Sample Identification
NaOH+Ascorbic Acid: SAPC			H 80 <sup>.</sup>		la	Corrected Temperature:	Correc	12		Total Containers:
Zn Acetate+NaOH: Zn			_	E	1.2	Temperature Reading:	Tempe	NO NIA	als: Yes	Sample Custody Seals:
			( GF hlori	P	6.0.	Correction Factor:	Correc	NO MIA	ils: Yes	Cooler Custody Seals:
NaHSO4: NABIS					NN-027	Thermometer ID:	Thermo	es No	(fe	Received Intact:
H <sub>3</sub> PO <sub>4</sub> : HP				nete 18	Tes No	No Wet Ice:	Res and	Temp Blank:		SAMPLE RECEIPT
H <sub>2</sub> S0 <sub>4</sub> : H <sub>2</sub> NaOH: Na			) + N	rs	lab, if received by 4:30pm	lab, if receiv				PO #:
HCL: HC HNO3: HN			RO		ay received by the	TAT starts the d		Jordan Tyner	lor	Sampler's Name:
Cool: Cool MeOH: Me			)			Due Date:		Eddy Co, NM.	Ed	Project Location
None: NO DI Water: H <sub>2</sub> O				Code	Rush	Routine		236891		Project Number:
Preservative Codes	UEST	ANALYSIS REQUEST			Turn Around		VCA #2H	erprises 23 V	McCord Enterprises 23 WCA #2H	Project Name:
ADaPT U Other:	Deliverables: EDD		om	neenergy.c	Email: cmartin@earthstoneenergy.com	Email:			(432)766-1918	Phone:
	Reporting:Level II Level III	01	Midland TX,79701	Mid	City, State ZIP:			9706	Midland, TX 79706	City, State ZIP:
)	State of Project:	600 N. Marienfeld, Suite 1000	N. Marienfo	600	Address:			IS BLVD	701 Tradewinds BLVD	Address:
P Brownfields RRC Duperfund	Program: UST/PST PRP	arating LLC	Earthstone Operating LLC	Eart	Company Name:			tental	NTG Environmental	Company Name:
Work Order Comments	Work		Chris Martin	Chri	Bill to: (If different)				Becky Haskell	Project Manager:
Page 2 of 2								AL	ENVIRONMENTAI	E
										L.
rder No:	Work Order No:									

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



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Chain of Custody

## Login Sample Receipt Checklist

Client: NT Global

## Login Number: 4001 List Number: 1 Creator: Stutzman, Amanda

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	

Job Number: 890-4001-1 SDG Number: 236891

List Source: Eurofins Carlsbad

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Job Number: 890-4001-1 SDG Number: 236891

List Source: Eurofins Midland

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

## Login Sample Receipt Checklist

Client: NT Global

Login Number: 4001 List Number: 2 Creator: Rodriguez, Leticia

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").



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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/05/2023	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	Analyze	d By: JH/					
Analyte	Analyte Result Reporting Limit Ana		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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/06/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.8	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/05/2023	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	Analyze	d By: JH/					
Analyte	Analyte Result Reporting Limit Analyzed Method		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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/06/2023	6/2023 ND		104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7 % 49.1-148		8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/05/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/06/2023	2023 ND		104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	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 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	79.1% 49.1-148		8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/05/2023	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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/06/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	<i>85.9 % 49.1-148</i>		8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

wed by σ			Additoinal Comments:					VD-4 (3-3.5')	VD-3 (2-2.5')			Sam	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #	Sampler's Name:	Project Location	Project Number:	Project Name: McC	Phone: (432)-	ate ZIP:		Company Name: NTG	Project Manager: Becky
(h)	ature)	It and relinquishment of sam	omments:					4/4/2023	4/4/2023	4/4/2023	4/4/2023	on Date	4	Yes No NIA	Yes No WA	Yes No	Temp Blank:	ainea - Caracteria	Kenny Han	Eddy Co, NM.	236891	McCord Enterprises 23 WCA #2H	(432)-766-1918	Midland, TX 79706	701 Tradewinds BLVD	NTG Environmental	Becky Haskell
19/10/1	project and a ch	ples constitutes										Time	Corrected T	Temperature Reading:	Correction Factor:	Thermometer ID:	Yes No					VCA #2H					
and a constant	shall not assume any responsibil oject and a charge of \$5 for each Received by: (Signature)	a valid purchas						×	×	×	×	Soil	Corrected Temperature:	re Reading:	Factor:	ler ID:	Wet Ice:	lab, if rece	TAT starts the	Due Date:	<ul> <li>Routine</li> </ul>	Tun	Email				
Je la	ach sample sub	e order from cli						6	G	9	G	Water C	-0,10	0.5	-0.6	112	Xes No	lab, if received by 4:30pm	day repeated h		Rush	Turn Around	Email: cmartin@earthstoneenergy.com	City, State ZIP.	Address:	Company Name:	Bill to: (if different)
4.5	mitted to Xen	ent company		$\left  \right $	+		+	Grab/ 1	Grab/ 1	Grab/ 1	Grab/ 1	Grab/ # of Comp Cont	0.0	00	0		neter	-	w the		Pres. Code		arthstone	ZIP:		ame:	erent)
4.5.23 124	nses incur co, but not	to Xenco,		H	+	+	+	×	×	×	×	of		B	TEX		-	•			es.		energy.c	Mid	600	Ear	Ch
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4 N	client if si . These te	Bill Bill		$\square$	_		-	×	×	×	×			Ch	lorid	le 45	500							Midland TX,79701	rienfeld	Opera	in
rreiniquistied by: (Signature)		Silling Code: EARTHSTONE subcontractors. It assigns standard terms and conditions																				ANALYSIS REQUEST			600 N. Marienfeld, Suite 1000	Earthstone Operating LLC	
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Received by: (Signature)	ated.	onditions												_									Deliverables: EDD	Reporting:Level II Level III PST/UST	State of Project:	Program: UST/PST PRP Brownfields RRC	Wo
(Signature)												s	NaOH	Zn Ace	HO Na,S,(	_	H, PO.: HP	HCL: HC		Cont	None: NO		ADaPT			P Brownfields	Work Order Comments
Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na,S,O,: NaSO,	NaHSO,: NABIS			01			Preservative Codes	Other:			1	nments
ime												ients	SAPC				ALC: NO	HNO3: HN	MECH: ME	THE MAN	DI Water H.C	odes		Level IV		uperfund	

<u>Released to Imaging: 12/28/2023 2:12:02 PM</u>

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Chain of Custody



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		ASKELL DEWINDS BLVD. SUITE C D TX, 79706	
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 COUNT	Y	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 TRA	HASKELL ADEWINDS BLVD. SUITE C ID TX, 79706	
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 COUNT	γ	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		ASKELL DEWINDS BLVD. SUITE C D TX, 79706	
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 COUNT	Y	

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

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 TRA	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 COUNT	Y						

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

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 MID	CKY HASKELL TRADEWINDS BLVD. SUITE C DLAND TX, 79706 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 CO	UNTY	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 \$	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 MID	CKY HASKELL TRADEWINDS BLVD. SUITE C DLAND TX, 79706 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 CO	UNTY	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	0						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 MID	CKY HASKELL TRADEWINDS BLVD. SUITE C DLAND TX, 79706 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 CO	UNTY	

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

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	701 MID	CKY HASKELL TRADEWINDS BLVD. SUITE C DLAND TX, 79706 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 CO	UNTY	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	701 MID	CKY HASKELL TRADEWINDS BLVD. SUITE C DLAND TX, 79706 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 CO	UNTY	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		IASKELL DEWINDS BLVD. SUITE C D TX, 79706	
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 COUNT	Y	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		IASKELL DEWINDS BLVD. SUITE C D TX, 79706	
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 COUNT	Y	

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

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		ASKELL DEWINDS BLVD. SUITE C D TX, 79706	
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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	04/13/2023	ND	416	104	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 TRA	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 COUNT	Y						

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

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	701 TRADEWI	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



	701 TRADEWI	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



		701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706						
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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 TRADEWI	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



	NTG ENVIRONMEN BECKY HASKELL 701 TRADEWINDS MIDLAND TX, 7970 Fax To:	BLVD. SUITE C	
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	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



	701 TRA	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/13/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **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

#### **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 whatscever 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 whose 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 whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to 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.

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

40	Rec	ny claim feemed without ardinal,	Ę			-	-	_	_	~	(G)RAB OR (C)OMF			
Sample Condition	Received By: Received By:	my claim arising whether based in contract or tort, shall be limited to the amount pute low for enseming to deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable g without limitation, business interruptions, loss of use, or loss of profils incurred by client. Its subsidiarities, g without limitation, business interruptions, loss of use, or loss of profils incurred by client. Its subsidiarities, Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	V Y	~~~	X	47	< 'Y	X	*	X 1	OIL SLUDGE OTHER :	MATRIX	Fax #:	Pho
CHECKED BY:	que	t, shall be limited to the ived by Cardinal with I use, or loss of profit ed upon any of the a									ACID/BASE: ICE / COOL OTHER :	PRESERV.	(#:	Phone #:
	4	he amount paid b in 30 days after o is incurred by clie bove stated reaso	6	-			-		-	4/10	DATE	SAMPLING		
Turnaround Time: Thermometer ID #113 Correction Factor -0.6°C	Verbal Result: All Results are REMARKS:	y the client for the a ompletion of the a nt, its subsidiaries, ons or otherwise.								X	TIME			
Time: ID #113 ctor -0.6°C	lt: □ Yes re emailed.	pplicable	-					-	-	X	BTEX	10	5	_
Standard K	Please prov	1	-							x	TPH			_
Bacteria (only) Cool Intact Yes Nc No	Add'  Phone #: ide Email address:													
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Yes No No Corrected Temp. °C														
			E											

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

Company Name:     IT     SILL TO     ANALYSIS R       Project Namage:     Rull, U.O.     State:     PO.8.*       Obdrass:     (U,O.2.*     State:     N/12     Adress:       Project Namage:     Rull, VII Zip:     State:     Pole       Project Namage:     Rull, VII Zip:     State:     Pole       Project Name:     Full, TO     Adress:     Pole       Project Name:     Full, VII Zip:     State:     Pole       Project Name:     Full, VII Zip:     State:     Pole       Project Name:     Full, TO     Adress:     Pole       Project Name:     Full, VII Zip:     State:     Pole       Project Name:     Full, VII Zip:     State:     Pole       Sample Location:     Full, VII Zip:     Pole     Pole       Sample Location:     C.S. I. (2.1)     Gl Int Basel     Pole       Sample Location:     Sample Location:     Pole     Pole       Sample Location:     C.S. I. (2.1)     Gl Int Basel     Pole       Sample Location:     C.S. I. (2.1)     Gl Int Basel     Pole       Sample Location:     Sample Location:     Pole     Pole       Sample Location:     Sample Location:     Pole     Pole       Sample Location:     Sample Location:

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C	Time: Observed Temp. °C, 4 2 Sample Condition CHECKED BY: Turnaround Tir Cool Intact (foitials) Themometer ID	cle One)
V V	Date: 7 Received By:	hed B
	medy for any claim arising whether based in contract or tort, shall be limited to the amount paid er shall be deemed walved unless made in writing and received by Cardinal within 30 days after s, including writing timitation, thusiness interruptions, loss of use, or loss of profits incurred by cite under by Cardinal, regardless of whether such claim is based upon any of the above stated reas	PLEASE NOTE: Liability and Damages. Cardinal's liability and analyses. All claims including those for negligence and any oth service. In no event shall Cardinal be liable for incidential to or affiliate or successoris atiliaing out of or related to the performant affiliates or successoris atiliang out of or related to the performance.
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TIME BTEX Chlorid TPH	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	Lab I.D. Sample I.D.
	MATRIX	FOR LAB USE ONLY
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	Project Owner: Earthstand City:	Project #:
	Fax #: Address:	ē
	State: NM Zip: 88720 Attn:	and
	1	
	Laskel P.o. #	_
		Company Name: NTOE

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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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	0						

### Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.6	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.6	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.3	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/20/2023	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	Analyze	d 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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg Analyze			d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	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	Analyze	d 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	% 71.5-13	4						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2023	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

101 East Marland, Hobbs, NM 88240         (575) 332-2236 FAX (575) 332-2476         Company Name: $V_175/E         Project Manager:       Review House K. (575) 332-2476         Company Name:       V_175/E         Project Manager:       Review House K. (201)         Project Name:       VICON       State: TX zip: 701       Address:         Project Location:       EOU       MARLON       For Leo USE ONLY       MATRIX         Project Location:       EOU       Nample I.D.       Name:       MATRIX         INTEX       Sampler Name:       MATRIX         Project Location:       EOU       Name:       MATRIX         Lab I.D.       Sampler I.D.       Name:       MATRIX         Project Location:       Eou       Name:       MATRIX         Lab I.D.       Sampler I.D.       Name:       Name:         Lab I.D.       Sampler Table Same Colsp$	Hobbs, NM 88240       AX (575) 393-2476       State: TX       Project Owner:       Project Owner:       Project Owner:       QUA       State: TX       Zip: 74       Fax #:       Project Owner:       QUA       Juan       Juan<
88240       3.2476	BILL TO       p:     74,70 1       Address:       Company:       For Hrs.       Address:       City:       State:       City:       Phone #:       Fax #:       Presserv       MATRIX       PRESERV       SoliL       OIL       State:       Zig       GROUNDWATER       MATRIX       PRESERV       SoliL       OIL       State:       Zig       GROUNDWATER       MATRIX       PRESERV       SoliL       OIL       SoliL       OIL       Studge:       Yange       OIL       SoliL       OIL       SoliL       OIL       SoliL       OIL       SoliL       OIL       DATE       Yange       Hight       Hight </td
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PLEASE NOTE: Liability and Damages. Cardina analyses. All claims including these for negligen service. In no event shall Cardinal be liable for in affiliates or successors arising out of or related to Relinquished BY: Kelinquished BY: Delivered BY: (Circle One) Sampler - UPS - Bus - Other:	H231924	Lab I.D.	Sampler Name:	Project Name: Project Location:	Project #:	City: Malune	ess	Project Manager:	Company Name:	
Armages. Cardinal's labels those for negligence and a linal be liable for incidental out of or related to the period OVN Cle One) us - Other:	Sm-[D	Sample I.D.	lenny H	~ ~	ord Stately	1-7/1-1018	1 Traviounds	Beeling	NTOE	abor 01 East Marlan (575) 393-2326
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Received				3 WCA		Lib:				8240 2476
By: By: Cool Intact Data Data Data Data By: By: By: By: By: By: By: By: By: By:	SOIL OIL SLUDG OTHER	E	MATRIX PR	State: Phone #:	City:			P.O. 1		
shall be limited to the amount ed by Cardinal within 30 days : use, or loss of profits incurred d upon any of the above state duffed and the above state (Initials)			ESERV.	1e #:		Cutho	(not Dome		BILL TO	
All Results are emailed REMARKS:	TIME		SAMPLING			411	Marbin			
by the client for the completion of the applicable completion of the applicable sense and therefore.         by the client for the completion of the applicable completion.         completion of the applicable sense to therefore.         sense and therefore.         All Result:       Yes         Verbal Result:       Standard         Cord:       Kush         Turnaround Time:       Standard         Correction Factor       48 hr	* ( * T	BLEX hlondr PH								
o Add"l Phone #: provide Email addre									ANALYSIS	
R R R									REQUEST	
THSTOUE ample Condition Observed Temp. °C										



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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

EARTHSTONE - EDDY COUNTY

		BECKY HASKELL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:					
Received:	04/28/2023	Sampling Date	e: 04/28/2023				
Reported:	05/01/2023	Sampling Type	e: Soil				
Project Name:	MCCORD	Sampling Cond	dition: ** (See Notes)				
Project Number:	236891	Sample Receiv	ved By: Tamara Oldaker				

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

Project Location:

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

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



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

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

	Ver Kimball	Relinquished by: /c	Notice: Signature of this doc of service. Xenco will be liab	Additiona									VD-5 (1	Sample Identi	I Otal Containers:	Sample Custody Seals	Cooler Custody Seals	Received Intact:	SAMPLE RECEIF	PO #	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:	Page 130
P	(ainteline)	of \$85.00 will be ap	ument and relinquish le only for the cost o	al Comments:										fication		Yes	Yes	Yes			Tvi	Eda			432-766-1918	Midland TX, 79	701 Tradewind	NTG Environm	Becky Haskell	ENVIRONMENTA
JULIUL	1	plied to each pro	Iment of sample										4/28/2023	Date	11	4	NO NIA	No	Blank:	or reiniogii	ar Kimhall	dy County	236891	McCord		701	s Blvd.	ental		241
and a	Received by:	pject and a charg	s constitutes a v	Silling Code:			-							Time	Corrected Te	Temperature	Correction Fi	a l				2								
1 All	(Signature)	any responsibil ge of \$5 for each	valid purchase o	EAROPEM		2						,		-	emperature:	Reading:	actor:	ID:	Wet Ine:	lab, if recei	ine nate:		Routine	Tum	Email:					
- MAC		ity for any losses or a sample submitted to	rder from client com	TX								Giab/	-	-	13,3	13.9	-0.62		No. No.	tay received by the ved by 4:30pm	24HR		J Buch	Around	cmartin@earths	City, State ZIP:	Address:	Company Nam	Bill to: (if differe	
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10													Sam	NaOH+As	Zn Acetate	Na2S2O3:	NaHSO4:	H <sub>3</sub> PO <sub>4</sub> : HI	H2S04: H2	HCL: HC	Conl- Con	None: NC	Pre		P.		Brownfie	r Commei	Page	
Date/111	DataTim												ple Comme	corbic Acid: S/	e+NaOH: Zn	NaSO <sub>3</sub>	NABIS	-0				D DI Water: H <sub>2</sub> O	servative Co	Outer:			S RL		e1 of	1554
	(ammend)	Image:	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)		ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature)	ved by: (Signature	Ved by: (Signature)	Ved by: (Signature	HOLD	HOLD	ved by: (Signature)	ved by: (Signature) Date	ved by: (Signature)	ved by: (Signature)	Preservati       None: NO       Cool: Cool       HCL: HC       H3PO4: H2       NaHSO4: H2       NaS2203: Na25203: Na25203: Na204       Zn Acetate+Na0H       NaOH+Ascorbic A       Sample Co       Sample Co       Signature)	Ved by: (Signature)	EDD     ADaPI     Other:       ADaPI     Other:       None: NO       Cool: Cool       HCL: HC       H2SO4: H2       H3PO4: HP       NaHSO4: NABIS       Nactate+NaOH       NaOH+Ascorbic A       Sample Co       Sample Co       Date	I     Level     PST/U[]     TR       EDD     ADaPI     Other:       ADaPI     None: NO       Cool: Cool     Cool: Cool       H_3PO_4: H2     H3PO_4: H2       H3PO_4: MABIS     Na4SO_3: NaSO_3:       Zn Acetate+NaOH     Sample Co       Sample Co     Cool: Cool       O     Na0H+Ascorbic A       Na0H+Ascorbic A     Sample Co	ct: DD ADaPI Other: DD ADaPI Other: Preservati None: NO Cool: Cool HCL: HC H <sub>2</sub> S04: H <sub>2</sub> H <sub>3</sub> P04: HP NaHSO4: NABIS Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO4 Zn Acetate+NaOH NaOH+Ascorbic A Sample Co	Work Order Comments         IIPS       PR       Brownfiels       F         ett:       PST/UE       TR         DD       ADaPI       Other:         ADaPI       Other:       Ocol: Cool         Cool: Cool: Cool       Cool: Cool       H3PO4: HP         Hallon       Naneso4: NABIS       Nacetate-NaOl         Anal Pieservati       Sample Co       Sample Co         Sample Co       Date	Work Order Comments       IPS     PR     Brownfiels     R       I     Level     PST/U{T     TR       EDD     ADaPI     Other:       ADaPI     None: NO       Cool: Cool     Cool: Cool       H2.504: H2     H3PQ, HP       NaHSO4: NABIS     NaAS2,03: NaS03       Zn Acetate+NaOH     XaOH+Ascorbic A       NaOH+Ascorbic A     Sample Co       Sample Co     Date



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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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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,

Whe Singh

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

EARTHSTONE - EDDY COUNTY

		BECKY HASKELL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:		
Received:	04/28/2023	Sampling Date	e: 04/28/2023	
Reported:	05/01/2023	Sampling Type	e: Soil	
Project Name:	MCCORD	Sampling Cond	dition: ** (See Notes)	
Project Number:	236891	Sample Receiv	ved By: Tamara Oldaker	

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

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2023	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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/01/2023	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	0						

### **Cardinal Laboratories**

\*=Accredited Analyte

Mite Sugar

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



### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

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

		yler Kimball	Relinquished by: (S	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 cilent if such losses are due to circumstances beyond the control	Notice: Signature of this doc	Additiona								VD-5 (1')	Sample Identification	1 otal Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:	Page 134
	-	2	ignature)	le only for the cost o of \$85.00 will be ap	ument and relinquis)	I Comments:									fication		Yes	Yes 1	Nes			Tvi	Edu			432-766-1918	Midland TX, 79701	701 Tradewinds Blvd	NTG Environmental	Becky Haskell	<b>NTG</b>
	Jurne	1110		if samples and s plied to each pro	ment of esmale	в								4/28/2023	Date	f	NO NIA	NO NIA	No	Temp Blank:	- Jier Milliodi	ar Kimball	Eddy County	236891	McCord		701	s Blvd.	ental		241
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		re)												San	NaOH+A	Zn Aceta	_		H <sub>3</sub> PO <sub>4</sub> : HP	H2S04: H2	HCL: HC	Conl. Co	None: NO	Pre		L'INISA		Brownfie	Work Order Comments	Page	
		Date/Time												Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	NaSO <sub>3</sub>	NABIS	Þ					Preservative Codes	Uther:	TRLP		S RC	ints	<u>je_1_of</u>	12321
		ne												ents	SAPC					H: Na	HNO: HN		DI Water: H <sub>2</sub> O	odes		Lab	1	Supe[		of	107



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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



### 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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	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	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **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

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

101 E	
1 East Marland, Hobbs, NM 88240	bor
nd, Hobbs	ato
, NM 882	ITIE!
40	01

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### Sampler - UPS - Bus - Other: Relinquished By: Delivered By: (Circle One) Relinquished By: PLEASE NOTE: Liability and service. In no event shail Cardinal be liable for incic analyses. All claims including those for HZ32308 Sampler Name: Project Location: Project Name: Project #: City: Phone #: Willen FOR LAB USE ONLY Project Manager: Company Name: Lab I.D. Address: Midlanu \*\* 432-766-1918 arising out of or re 105 236891 Sw-13 CS-17A Miclon Kenny (575) 393-2326 FAX (575) 393-2476 Eddy I nuc winds Becky Hoskell Sample I.D. ice and any other NTGE Heun Enterprises Corrected Temp. °C 50 Observed Temp. °C 54 6, r cause whatboever shall be deemed waiwed unless made in writing and received by Cardinal within 30 days after completion of the applicable requential damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, Date: 544 23 1703 † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com Time: 2-3 Fax #: Project Owner: MM 3 State: 1X Blue remedy for any claim 23 WCA Received By: Received B (G)RAB OR (C)OMP Zip: 74,70 H H # CONTAINERS Cool Intact Sample Condition GROUNDWATER WASTEWATER er such claim is base × × SOIL MATRIX OIL SLUDGE OTHER Phone #: State: City: Fax #: Address: Attn: Chns Company: Fhorth steve P.O. #: ACID/BASE CHECKED BY: PRESERV. (Initials) ICE / COOL OTHER BILL TO 5/4/23 Zip: DATE Martin SAMPLING Thermometer ID #113 Correction Factor -0.6°C Turnaround Time: All Results are emailed. Please provide Email address: REMARKS: Verbal Result: Billing Lode TIME BREX 4 □ Yes Chlonde EARTHSTONE Standard Rush 24hr O No TPH Add'l Phone #: ANALYSIS Cool Intact Bacteria (only) Sample Condition REQUEST Corrected Temp. °C Observed Temp. °C

7/21/2023 12:00:18 AM

Received by OCD:

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Operator:	OGRID:
Earthstone Operating, LLC	331165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	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 12/28/2023 time of a major facility deconstruction or at plugging and abandonment, whichever comes first.