



May 30, 2022

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: REVISED Release Characterization and Closure Report
ConocoPhillips
MCA Battery 2 - North Header Release
Unit Letter D, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico
Incident ID# NAPP2131933625**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred from an equipment malfunction at the Maljamar Cooperative Agreement (MCA) Battery 2. The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.812460°, -103.777140°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on October 31, 2021, at a ConocoPhillips operating site. The C-141 reports that the release occurred due to a leaking pipe located near the North Header on the southern edge of the MCA Battery 2 lease pad. Approximately 4.6 barrels (bbls) of produced water and 8.1 bbls of crude oil were reported released. A vacuum truck was dispatched but no fluids were recovered. The release was reported as confined to pad only. The NMOCD approved the initial C-141 on November 15, 2021, and subsequently assigned the release the Incident ID NAPP2131933625. The initial C-141 form is included in Appendix A.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.09 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are eight (8) water wells located within an 800-meter (approximately ½-mile) radius of the release location. The average depth to groundwater is 85 feet below ground surface (bgs). The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Tetra Tech

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Based on the site characterization, the on-pad extent and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

REGULATORY CORRESPONDENCE

According to email correspondence between ConocoPhillips and NMOCD, a 90-day extension (until May 3, 2022) request was submitted on February 3, 2022, to complete the Site assessment and associated closure reporting for the NAPP2131933625 release. OCD Permitting Log files indicate NMOCD approval of the extension request on February 7, 2022, with a remediation due date of May 3, 2022. Email correspondence and OCD Permitting Incident file is included in Appendix C, along with other associated regulatory correspondence.

INITIAL RESPONSE ACTIVITIES

In accordance with 19.15.29.8.B.(4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin remediation of the impacted area in 2022. The release extent consisted of approximately 3,215 square feet of oil-gas lease pad, as shown in Figure 3. Initial response remedial actions were performed at the release site between February and March 2022, and visually stained areas on pad were scraped to remove impacted materials. The on-pad material was scraped to approximately 6 inches below ground surface, resulting in approximately 62 cubic yards of contaminated soil being removed and sent to R360 Halfway Facility in Hobbs, New Mexico. Waste manifests can be found on Appendix D. The initial response area is indicated in Figure 3.

SITE ASSESSMENT SUMMARY

Between March 1 and March 3, 2022, Tetra Tech personnel were on site to conduct soil sampling to delineate the release extent and confirm the efficacy of the reported remediation activities conducted during the initial response. A total of six (6) hand auger borings were installed to achieve vertical and horizontal delineation of the release footprint on pad. Two (2) hand auger borings (AH-22-4 and AH-22-5) were installed inside the reported release extent to depths ranging from 6 to 8 feet bgs to vertically delineate the release. Four (4) hand auger borings (AH-22-1 through AH-22-3 and AH-T-15) were installed along the perimeter of the release extent to a depth of 2 feet bgs to achieve horizontal delineation of the release extent. Select samples were field screened for salinity using an ExTech EC400 ExStik. Photographic documentation of Site conditions at the time of the assessment is presented in Appendix E. Boring locations are presented in Figure 3.

A total of seventeen (17) samples were collected from the six (6) borings and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0. A copy of the laboratory analytical report and chain-of-custody documentation are included in Appendix F.

SUMMARY OF SAMPLING RESULTS

Results from the March soil sampling event are summarized in Table 1. All analytical results associated with samples collected during the assessment activities were below Site RRALs. The boring locations are indicated in Figure 3. Horizontal and vertical delineation was achieved during the assessment. The initial response remedial action was successful in removing the contaminant mass to meet the standards of Table I of 19.15.29.12 NMAC.

REVISED Release Characterization and Closure Report
May 30, 2022

ConocoPhillips

INITIAL CLOSURE REPORT SUBMITTAL

A Closure Report was prepared by Tetra Tech, on behalf of ConocoPhillips, and submitted to NMOCD on April 22, 2022, with fee application payment PO Number 2U87Q-220422-C-1410. The Closure Report described the results of the initial response activities, release assessment and provided characterization of the impact at the site. The Closure Report was denied via email by Robert Hamlet on Monday, May 18, 2022. Associated regulatory correspondence is included in Appendix C.

Robert Hamlet provided the following reasoning for denial of the Closure Report:

- *"Please collect confirmation samples, representing no more than 200 ft2."*

CONFIRMATION SAMPLING AND ANALYTICAL RESULTS

In order to meet the requirements of 19.15.29.11 NMAC and duly address the NMOCD rationale for closure denial, Tetra Tech personnel conducted confirmation sampling on May 23, 2022, on behalf of ConocoPhillips. The release extent consisted of approximately 3,215 sf. Confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 200 square feet of remediated area. A total of twelve (12) confirmation floor samples (FS-1 through FS-12) and five (5) confirmation sidewall samples (SW-1 through SW-5) were collected and analyzed during the confirmation sampling activities. Confirmation sidewall sample locations were labeled with SW-#. Confirmation floor sample locations were labeled with FS-#. Remediated area and confirmation sample locations are indicated in Figure 4. Confirmation samples were collected from the subsurface, to be representative of the remediated surface and not clean backfill.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal Laboratories in Hobbs, New Mexico. The soil samples were analyzed for TPH (GRO, DRO and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by SM4500Cl-B. The results were directly compared to the established Site RRALs to demonstrate compliance. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix F. All confirmation samples (floor and sidewall) were below the Site RRALs. The results of the May 2022 confirmation sampling event are summarized in Table 2.

CONCLUSION

Based on the results of the site assessment and confirmation sampling, ConocoPhillips respectfully requests closure of the incident. All analytical results associated with both the site assessment and ensuing confirmation sampling were below applicable Site RRALs following the initial response actions; therefore, no further remediation of the on-pad release footprint is required. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC during the initial response remedial activities.

Final reclamation shall take place in accordance with 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the soil assessment activities for the Site, please call me at (512) 288-6281.

Sincerely,
Tetra Tech, Inc.



Christian M. Llull, P.G.
Program Manager

cc:
Ms. Jenni Fortunato, RMR – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Release Extent, Initial Response, and Site Assessment Map
- Figure 4 – Remediation Extent and Confirmation Sample Locations

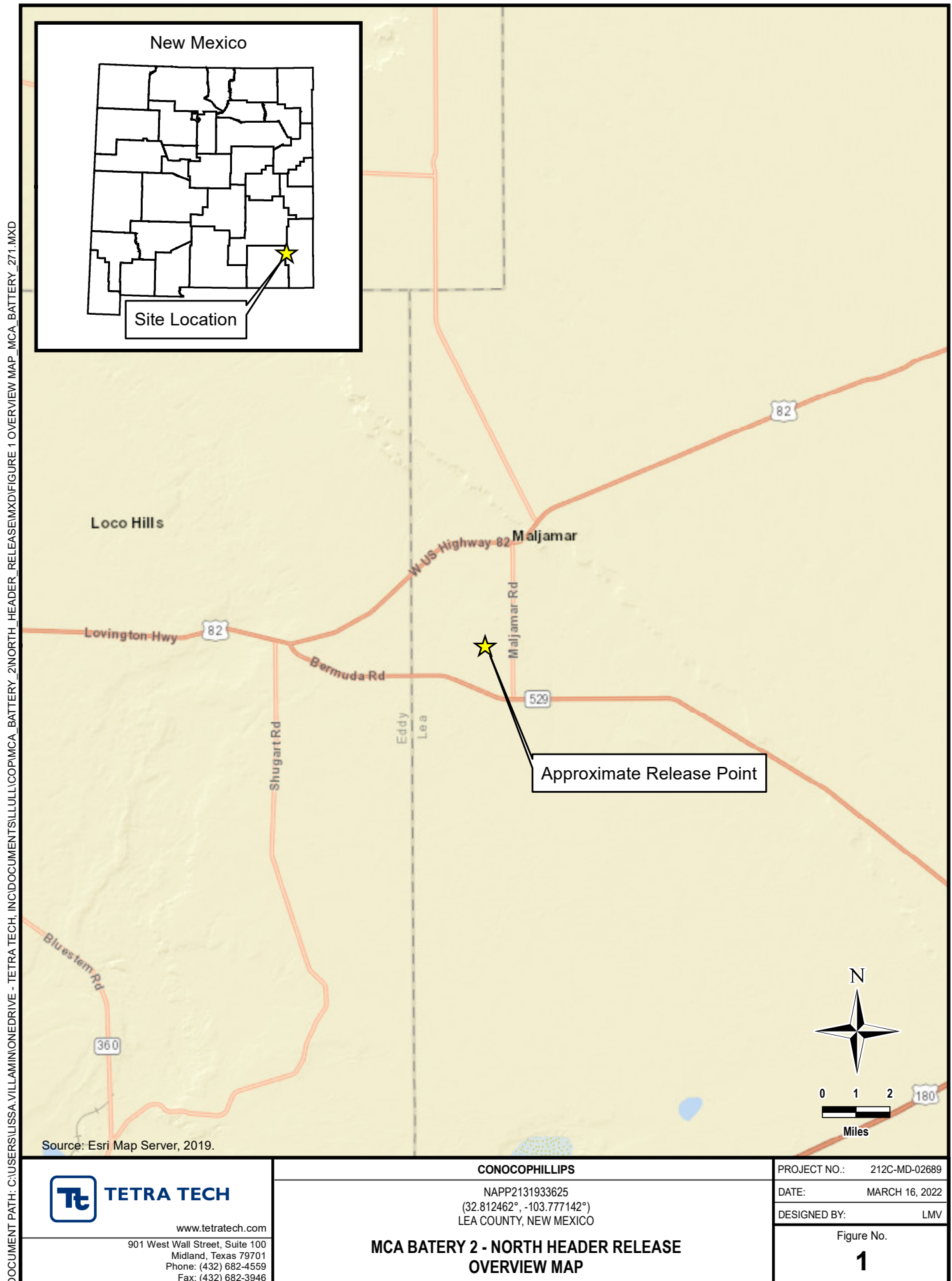
Tables:

- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Soil Remediation

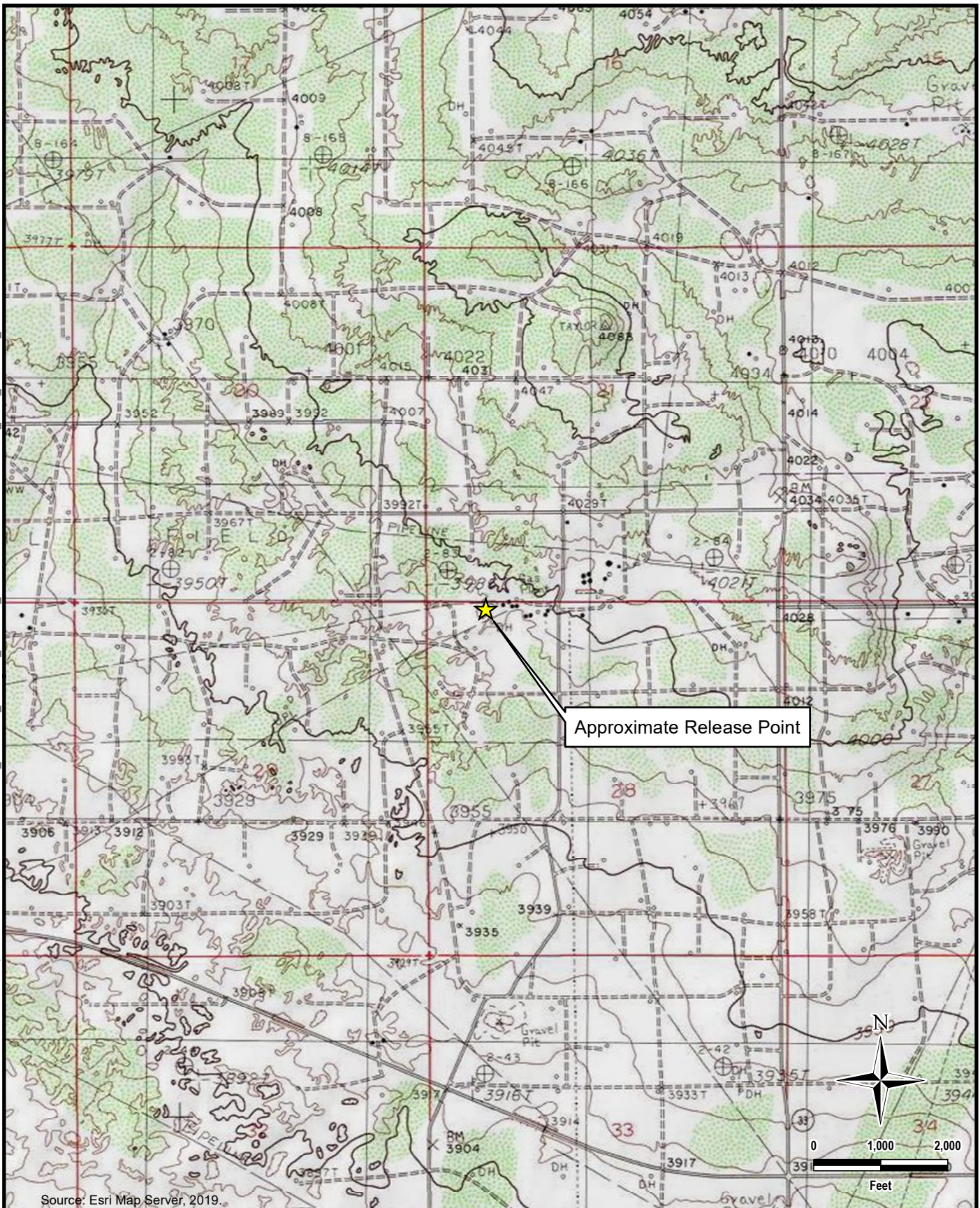
Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Regulatory Correspondence
- Appendix D – Waste Manifests
- Appendix E – Photographic Documentation
- Appendix F – Laboratory Analytical Data

FIGURES



DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\TULLL\COPMCA_BATTERY_2\NORTH_HEADER_RELEASE\MXD\FIGURE 2 TOPO_MCA_BATTERY_2.MXD

**TETRA TECH**

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CONOCOPHILLIPS

NAPP2131933625
(32.812462°, -103.777142°)
LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 - NORTH HEADER RELEASE
TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-02689

DATE: MARCH 16, 2022

DESIGNED BY: LMV

Figure No.

2

DOCUMENT PATH: C:\USERS\LISSA.VILLAMONEDRIVE - TETRA TECH, INC\DOCUMENTS\TETRA TECH\PROJECTS\2022\212C-MD-02689\FIGURE 3 RELEASE INITIAL ASSESSMENT MCA BATTERY 2.MXD

**TETRA TECH**

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CONOCOPHILLIPS

NAPP2131933625
(32.812462°, -103.777142°)
LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 - NORTH HEADER RELEASE
RELEASE EXTENT, INITIAL RESPONSE, AND SITE ASSESSMENT**

PROJECT NO.: 212C-MD-02689

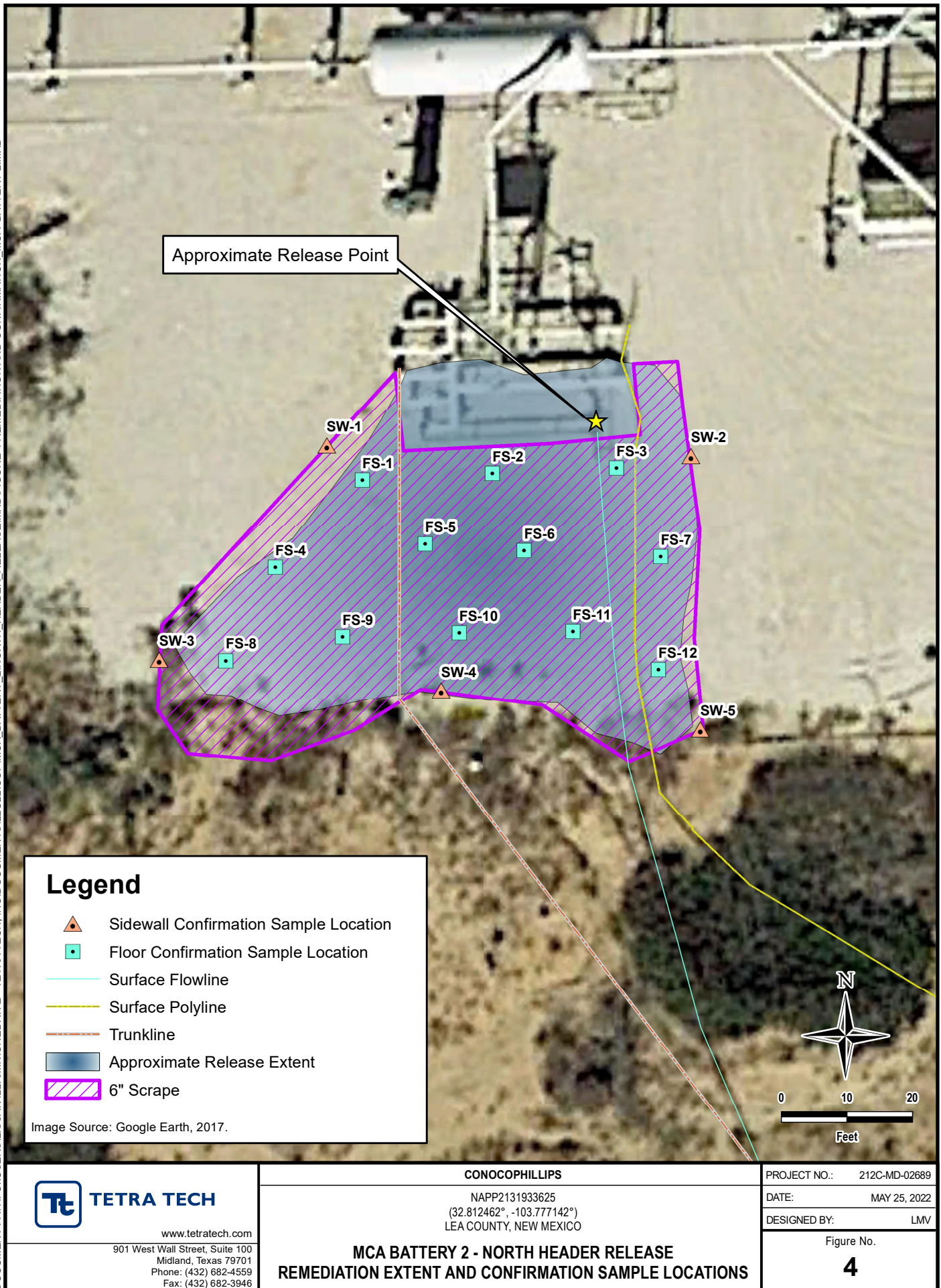
DATE: MARCH 16, 2022

DESIGNED BY: LMV

Figure No.

3

DOCUMENT PATH: C:\USERS\LISSA.VILLAMINON\DRIVE - TETRA TECH\INC\DOCUMENTS\111111\111111\COPMCA BATTERY 2\NORTH HEADER RELEASE\MXD\FIGURE 4 REMEDIATION AND CONFIRMATION MCA BATTERY 2.MXD



TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2131933625
CONOCOPHILLIPS
MCA BATTERY 2 NORTH HEADER RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
			Chloride	PID			Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		ft. bgs	ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q			
AH-22-1	3/1/2022	0-1	184	-	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	169	-	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		12.6		< 10.0		12.6	
AH-22-2	3/1/2022	0-1	26.7	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	18.9	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-22-3	3/1/2022	0-1	461	-	832		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	123	-	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-22-4	3/3/2022	0.5-1.5	-	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	-	-	80.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	-	-	1,720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		5-6	-	-	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-22-5	3/3/2022	0.5-1.5	-	-	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		2-3	-	-	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		3-4	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		5-6	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		7-8	-	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
AH-T-15	3/2/2022	0-1	14.1	-	32.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
		1-2	32.8	-	16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500C1-B

2 Method 8021B

3 Method 8015M

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2131933625
CONOCOPHILLIPS
MCA BATTERY 2 NORTH HEADER RELEASE
LEA COUNTY, NM

Sample ID	Sample Date	Sample Depth	Field Screening Results		Chloride ¹		BTEX ²										TPH ³							
							Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
			Chloride	PID	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	(GRO+DRO+EXT DRO)	
		ft. bgs	ppm	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	Q			
FS-1	5/23/2022	0.5-1.5	92.8	0.900	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-2	5/23/2022	0.5-1.5	85.2	5.900	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-3	5/23/2022	0.5-1.5	155	4.100	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-4	5/23/2022	0.5-1.5	199	0.900	144		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-5	5/23/2022	0.5-1.5	184	0.600	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-6	5/23/2022	0.5-1.5	520	1.700	640		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-7	5/23/2022	0.5-1.5	655	1.200	832		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-8	5/23/2022	0.5-1.5	528	0.800	400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-9	5/23/2022	0.5-1.5	211	4.100	592		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-10	5/23/2022	0.5-1.5	496	6.700	480		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-11	5/23/2022	0.5-1.5	255	0.600	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
FS-12	5/23/2022	0.5-1.5	146	1.500	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SW-1	5/23/2022	-	98.8	1.600	160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SW-2	5/23/2022	-	188	0.500	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SW-3	5/23/2022	-	72.3	2.100	48.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SW-4	5/23/2022	-	84.1	1.600	64.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	
SW-5	5/23/2022	-	23.4	1.700	< 16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-	

NOTES:

- ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

APPENDIX A C-141 Forms

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2131933625
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	ConocoPhillips	OGRID
Contact Name	Kelsy Waggaman	Contact Telephone (432) 688 - 9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # (assigned by OCD) NAPP2131933625
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701	

Location of Release Source

Latitude 32.8127 Longitude -103.777
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	MCA Battery 2	Site Type	Tank Battery
Date Release Discovered	October 31, 2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
D	28	17S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 8.17	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 4.638	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a leaking pipe located near the North header.
The release was on the pad. A vacuum truck was dispatched to remove all freestanding fluids.
Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Incident ID	NAPP2131933625
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name Brittany N. Esparza	Title: Environmental Technician
Signature: 	Date: 11/15/2021
email: Brittany.Esparza@ConocoPhillips.com	Telephone: (432) 221-0398
<u>OCD Only</u>	
Received by: Ramona Marcus	Date: 11/15/2021

L48 Spill Volume Estimate Form

NAPP2131933625

Received by OCD: 11/15/2021 9:42:48 AM

Page 3 of 4

Asset Area:	MCA Batter 2 North Separator
Release Discovery Date & Time:	8:00 A.M. 10/31/21
Release Type:	Oil Mixture
Provide any known details about the event:	Mso found a line leaking from the header to the north separator

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?		See reference table below							
Has it rained at least a half inch in the last 24 hours?		See reference table below							
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	87.0	43.0	1.00	10.52%	55.492	5.838	20.00%	1.168	4.670
Rectangle B					0.000	0.000		0.000	0.000
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Rectangle J					0.000	0.000		0.000	0.000
Total Volume Release:						5.838		1.168	4.670

Released to Imaging: 11/15/2021 11:40:30 AM

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 61735

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 61735
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	11/15/2021

Incident ID	NAPP2131933625
District RP	
Facility ID	
Application ID	

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

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

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

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

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

State of New Mexico
Oil Conservation Division

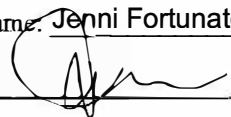
Page 4

Incident ID	NAPP2131933625
District RP	
Facility ID	
Application ID	

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: Jenni Fortunato

Title: Program Manager, Remediation

Signature: 

Date: 4/22/22

email: jenni.fortunato@cop.com

Telephone: 832-486-2477

OCD Only

Received by: _____

Date: _____

Incident ID	NAPP2131933625
District RP	
Facility ID	
Application ID	


Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jenni Fortunato Title: Program Manager, Remediation
Signature:  Date: 5/25/2022
email: jenni.fortunato@cop.com Telephone: 8324862477

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: Jennifer Nobui Date: 08/30/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX B

Site Characterization Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
RA 10175	RA	LE		2	1	28	17S	32E		614814	3631005*	368	158		
RA 12020 POD1	RA	LE		2	2	1	28	17S	32E	614828	3630954	404	120	81	39
RA 12042 POD1	RA	LE		2	2	1	28	17S	32E	614891	3631181	412	400		
RA 12522 POD1	RA	LE		3	3	4	21	17S	32E	614941	3631122	463	100		
RA 12522 POD2	RA	LE		2	2	1	28	17S	32E	614949	3631098	474	100		
RA 12522 POD3	RA	LE		4	4	3	28	17S	32E	614980	3631093	505	100		
RA 12521 POD1	RA	LE		3	3	4	21	17S	32E	615127	3631271	657	105	92	13
RA 12020 POD3	RA	LE		2	1	2	28	17S	32E	615152	3631019	687	112	83	29

Average Depth to Water: **85 feet**

Minimum Depth: **81 feet**

Maximum Depth: **92 feet**

Record Count: 8

UTMNA83 Radius Search (in meters):

Easting (X): 614478.98

Northing (Y): 3631158.87

Radius: 800

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/16/22 1:35 PM

Page 1 of 1

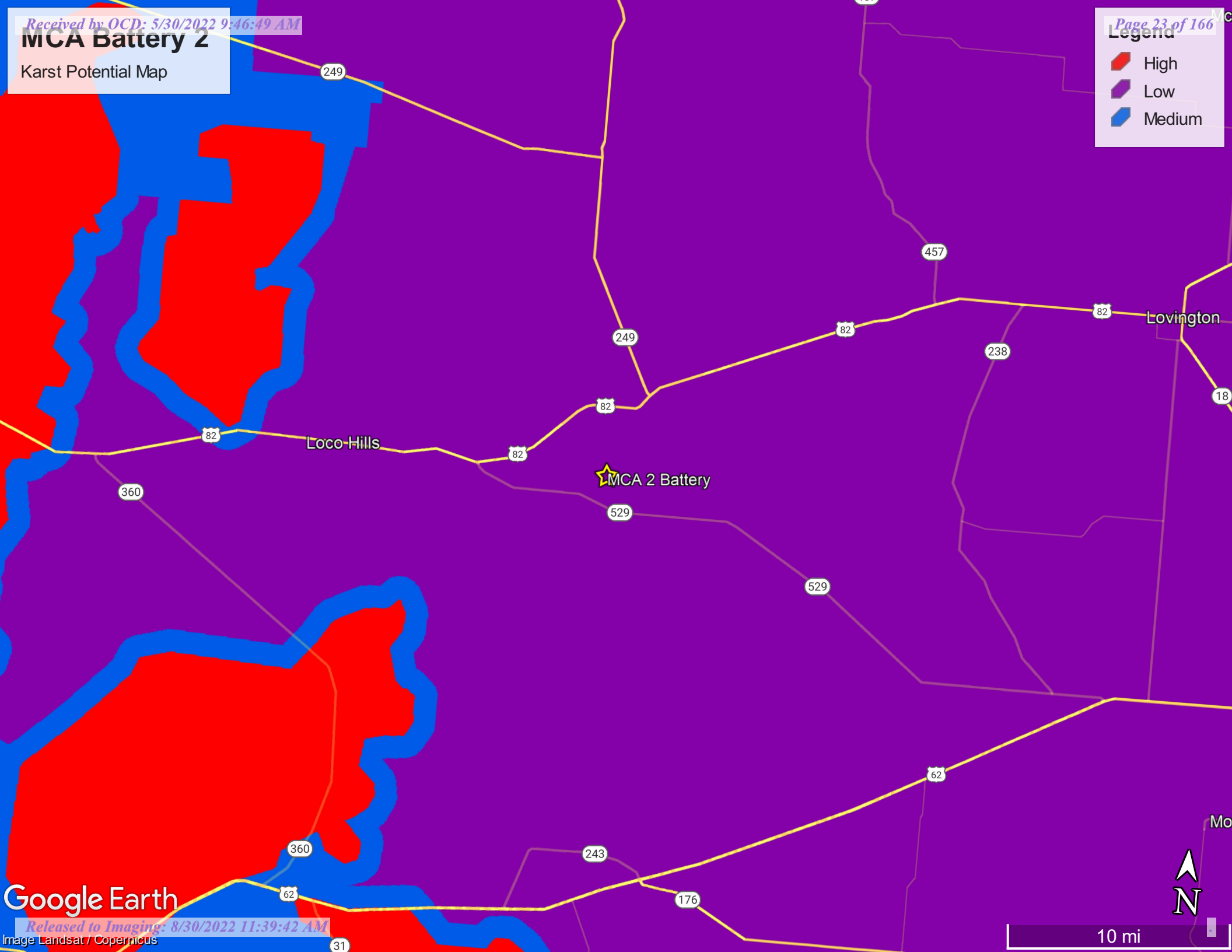
WATER COLUMN/ AVERAGE
DEPTH TO WATER

MCA Battery 2

Karst Potential Map

Legend

- High
- Low
- Medium



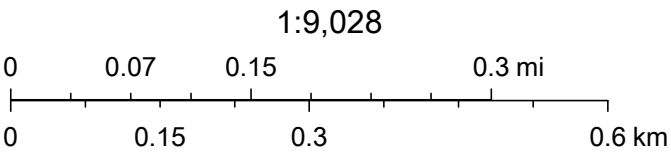
Google Earth

OCD Waterbodies Map



2/16/2022, 2:43:27 PM

- OSE Water-bodies
- PLJV Probable Playas
- OSE Streams



Esri, HERE, Garmin, GeoTechnologies, Inc., Maxar

APPENDIX C

Regulatory Correspondence

Llull, Christian

From: Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Sent: Thursday, February 03, 2022 10:15 AM
To: CFO_Spill, BLM_NM; EMNRD-OCD-District1spills
Cc: Gonzalez, Jessika L; Esparza, Brittany; Waggaman, Kelsy; Fejervary Morena, Gustavo A
Subject: (Extension Request #1) MCA Battery 2 (NAPP2131933625) 10-31-2021

To Whom it May Concern,

Under the new spill rule a Work Plan or Closure Report is due for the above release on February 3, 2022. ConocoPhillips is requesting a three-month extension until May 3, 2022 due to scheduling conflicts.

Please let me know if you have any questions or concerns.

Thank you,

Brittany N. Esparza

Brittany N. Esparza | Environmental Technician, Permian | **ConocoPhillips**

O: 432-221-0398 | C: 432-349-1911 | 3CC-2064 Midland, Texas

OCD Permitting

Home Searches Incidents Incident Details

NAPP2131933625 MCA BATTERY 2 @ D-28-17S-32E 0N 0E

General Incident Information

Site Name: MCA BATTERY 2
Well:
Facility:
Operator: [229137] COG OPERATING LLC
Status: Closure Not Approved
Type: Release Other
District: Hobbs
Severity: Minor
Surface Owner: Federal
County: Lea (25)
Incident Location: D-28-17S-32E 0 FNL 0 FEL
Lat/Long: 32.81271,-103.77711 NAD83
Directions:

Notes

Source of Referral: Industry Rep
Action / Escalation: Referred to Environmental Inspector
Resulted In Fire:
Endangered Public Health:
Fresh Water Contamination:
Will or Has Reached Watercourse:
Property Or Environmental Damage:

Contact Details

Contact Name: Kelsy Waggaman
Contact Title:

Event Dates

Date of Discovery: 10/31/2021
Extension Date: 02/07/2022
Initial C-141 Received: 11/15/2021
Characterization Report Received:
Remediation Plan Received:
Closure Report Received:
OCD Notified of Release:
Cancelled Date:
Characterization Report Approved:
Remediation Plan Approved:
Remediation Due: 05/03/2022
Closure Report Approved:

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incidents Materials

Cause	Source	Material	Volume				Units
			Unk.	Released	Recovered	Lost	
Corrosion	Unknown	Crude Oil		8	0	8	BBL

- Quic
- Gene
 - Mater
 - Event
 - Order
- Assoc
- Incide
- New
- New f
 - New f
 - New f
 - New f
 - New f
 - New f
 - New f

Incident Events



Date	Detail
02/07/2022	Your request for an extension to May 3rd, 2022 is approved.
11/15/2021	The (11/15/2021, C-141) application [61735] was accepted by OCD. The operator was emailed with details of this event.
11/15/2021	An application [61735] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
11/15/2021	The (11/15/2021, C-141) application [61735] was assigned to this incident.
11/15/2021	The (11/15/2021, NOR) application [61732] was assigned to this incident.
11/15/2021	Initial Response question & answers at the time of notification were as follows. <ul style="list-style-type: none">The source of the release has been stopped: True.The impacted area has been secured to protect human health and the environment: True.Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices: True.All free liquids and recoverable materials have been removed and managed appropriately: True.
11/15/2021	New incident created by the operator, upon the submission of notification of release.
10/31/2021	C-141 received on 11/15/2021 for release on 10/31/2021. The cause of the release was reported as "The release was caused by a leaking pipe located near the North header. The release was on the pad. A vacuum truck was dispatched to remove all freestanding fluids. Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities."
10/31/2021	Release discovered by the operator,

Orders

No Orders Found

Poole, Nicholas

From: OCDOnline@state.nm.us
Sent: Wednesday, May 18, 2022 4:30 PM
To: Llull, Christian
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 100909

 **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. 

To whom it may concern (c/o Christian Llull for CONOCOPHILLIPS COMPANY),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2131933625, for the following reasons:

- **The closure report is denied. Inadequate number of samples. Please collect confirmation samples, representing no more than 200 ft².**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 100909. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Llull, Christian

From: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Sent: Thursday, May 19, 2022 2:30 PM
To: Poole, Nicholas
Cc: Llull, Christian; Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: RE: [EXTERNAL] Incident ID: NAPP2131933625 - Confirmation Sampling

⚠ CAUTION: This email originated from an external sender. Verify the source before opening links or attachments. **⚠**

Nicholas,

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

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



From: Poole, Nicholas <NICHOLAS.POOLE@tetrattech.com>
Sent: Thursday, May 19, 2022 9:22 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Llull, Christian <Christian.Llull@tetrattech.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: [EXTERNAL] Incident ID: NAPP2131933625 - Confirmation Sampling

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

Incident ID (n#) **NAPP2131933625** (MCA Battery 2 – North Header Release)

To whom it may concern,

In accordance with Subsection D of 19.15.29.12 NMAC, the responsible party must verbally notify the appropriate division district office prior to conducting confirmation sampling.

Confirmation Sampling activities are beginning at the site starting Monday May 23, 2022.

Thus, on behalf of ConocoPhillips for the above referenced incident, Tetra Tech is duly providing this communication which serves as notification that final confirmation sampling will be conducted at this site on May 23, 2022.

NOTE: If you have any questions regarding this sampling schedule, please contact me.

Nicholas Poole | Staff Geoscientist
Mobile +1 (512) 560-9064 | nicholas.poole@tetrattech.com

Tetra Tech | *Leading with Science®* | OGA
8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetrattech.com

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Please consider the environment before printing. [Read more](#)



APPENDIX D

Waste Manifests



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: RAY GARCIA
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 2/21/2022
 Hauler: MCNABB PARTNERS
 Driver: HUGO
 Truck # M31
 Card #
 Job Ref #

Ticket #: 700-1277262
 Bid #: O6UJ9A000HH0
 Date: 2/21/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~48.00~~ yards

16.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: RAY GARCIA
 AFE #:
 PO #:
 Manifest #: N/A
 Manif. Date: 2/22/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1277584
 Bid #: O6UJ9A000HH0
 Date: 2/22/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: RAY GARCA
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 2/23/2022
 Hauler: MCNABB PARTNERS
 Driver: DANIEL
 Truck #: M02
 Card #
 Job Ref #

Ticket #: 700-1277880
 Bid #: O6UJ9A000HH0
 Date: 2/23/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Permian Basin

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

10.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: RAY GARZA
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 2/24/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1278236
 Bid #: O6UJ9A000HH0
 Date: 2/24/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: BUCKY MOORE
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 2/25/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1278601
 Bid #: O6UJ9A000HH0
 Date: 2/25/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Permian Basin

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

18.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: RAY GARZA
 AFE #:
 PO #:
 Manifest #: N/A
 Manif. Date: 2/28/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1279312
 Bid #: O6UJ9A000HH0
 Date: 2/28/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____

16UJ9A01MN3N

3/1/2022 12:14:53PM

Customer: CONOCOPHILLIPS

Ticket #: 700-1279312

Customer #: CRI2190

Bid #: O6UJ9A000HH0

Ordered by: RAY GARZA

Date: 2/28/2022

AFE #:

Generator: CONOCOPHILLIPS

PO #:

Generator #:

Manifest #: N/A

Well Ser. #: 999908

Manif. Date: 2/28/2022

Well Name: MCA BATTERY

Hauler: MCNABB PARTNERS

Well #: 2

Driver: GUMER

Field:

Truck #: M32

Field #:

Card #

Rig: NON-DRILLING

Job Ref #

County



Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

16.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: COLTON MOORE
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 2/28/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1279194
 Bid #: O6UJ9A000HH0
 Date: 2/28/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

16.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: COLTON MOORE
AFE #:
PO #:
Manifest #: NA
Manif. Date: 2/28/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1279194
Bid #: O6UJ9A000HH0
Date: 2/28/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: COLTON BICKERSTAFF
 AFE #:
 PO #:
 Manifest #: NA
 Manif. Date: 3/1/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1279546
 Bid #: O6UJ9A000HH0
 Date: 3/1/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units
-------------------	----------------

Contaminated Soil (RCRA Exempt)	18.00 yards 16.00
---------------------------------	---------------------------------

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: COLTON BICKERSTAFF
 AFE #:
 PO #:
 Manifest #: N/A
 Manif. Date: 3/1/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1279699
 Bid #: O6UJ9A000HH0
 Date: 3/1/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~18.00~~ yards

16.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: COLTON RICKWOOD
AFE #:
PO #:
Manifest #: NA
Manif. Date: 3/2/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1280034
Bid #: O6UJ9A000HH0
Date: 3/2/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service	Quantity Units
-------------------	----------------

Contaminated Soil (RCRA Exempt)	18.00 yards 16.00
---------------------------------	---------------------------------

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____

A handwritten signature in black ink, appearing to be a stylized 'J' or 'L' followed by a flourish.



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: N/A
 Manif. Date: 3/3/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1280411
 Bid #: O6UJ9A000HH0
 Date: 3/3/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: JENNI FORTUNATO
AFE #:
PO #:
Manifest #: N/A
Manif. Date: 3/4/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1280777
Bid #: O6UJ9A000HH0
Date: 3/4/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

~~18.00 yards~~ 16**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: BUCKY MOORE
AFE #:
PO #:
Manifest #: 005
Manif. Date: 3/7/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1281551
Bid #: O6UJ9A000HH0
Date: 3/7/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

O6UJ9A01MRLV

3/8/2022 9:28:38AM



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: BUCKY MOORE
AFE #:
PO #:
Manifest #: 005
Manif. Date: 3/7/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1281551
Bid #: O6UJ9A000HH0
Date: 3/7/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

16

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: BUCKY MOORE
 AFE #:
 PO #:
 Manifest #: 004
 Manif. Date: 3/7/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1281393
 Bid #: O6UJ9A000HH0
 Date: 3/7/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

16

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
Customer #: CRI2190
Ordered by: BUCKY MOORE
AFE #:
PO #:
Manifest #: 004
Manif. Date: 3/7/2022
Hauler: MCNABB PARTNERS
Driver: GUMER
Truck #: M32
Card #
Job Ref #

Ticket #: 700-1281393
Bid #: O6UJ9A000HH0
Date: 3/7/2022
Generator: CONOCOPHILLIPS
Generator #:
Well Ser. #: 999908
Well Name: MCA BATTERY
Well #: 2
Field:
Field #:
Rig: NON-DRILLING
County

Facility: CRI

Product / Service**Quantity Units**

Contaminated Soil (RCRA Exempt)

16.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature**R360 Representative Signature****Customer Approval****THIS IS NOT AN INVOICE!**

Approved By: _____

Date: _____

KJUISA01MRCG

3/8/2022 9:24:18AM



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 006
 Manif. Date: 3/8/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1281932
 Bid #: O6UJ9A000HH0
 Date: 3/8/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	18.00 yards 16.00

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: CONOCOPHILLIPS
 Customer #: CRI2190
 Ordered by: JENNI FORTUNATO
 AFE #:
 PO #:
 Manifest #: 007
 Manif. Date: 3/9/2022
 Hauler: MCNABB PARTNERS
 Driver: GUMER
 Truck #: M32
 Card #
 Job Ref #

Ticket #: 700-1282308
 Bid #: O6UJ9A000HH0
 Date: 3/9/2022
 Generator: CONOCOPHILLIPS
 Generator #:
 Well Ser. #: 999908
 Well Name: MCA BATTERY
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

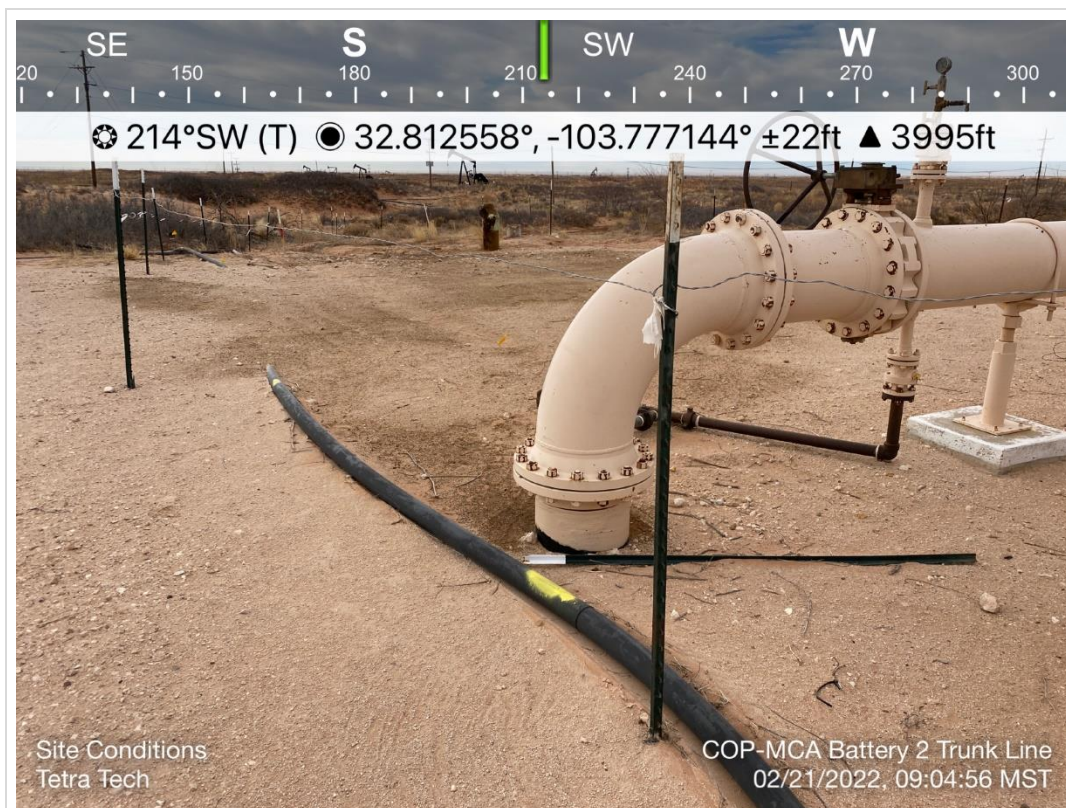
THIS IS NOT AN INVOICE!

Approved By: _____

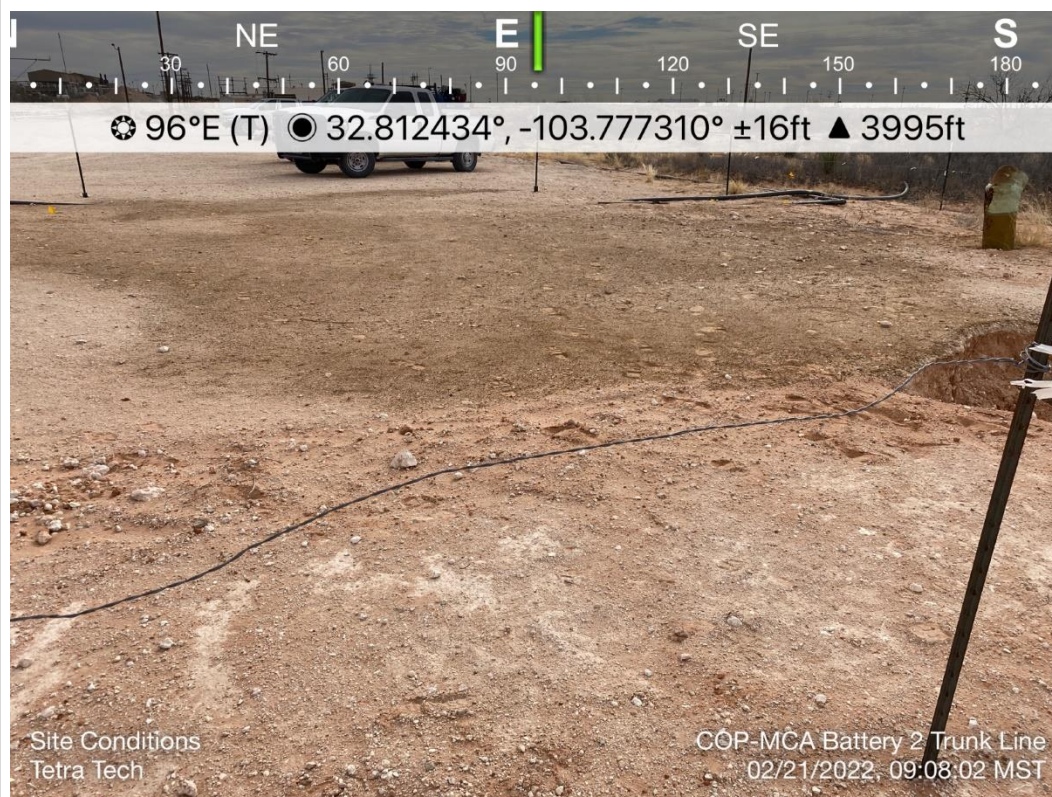
Date: _____

APPENDIX E

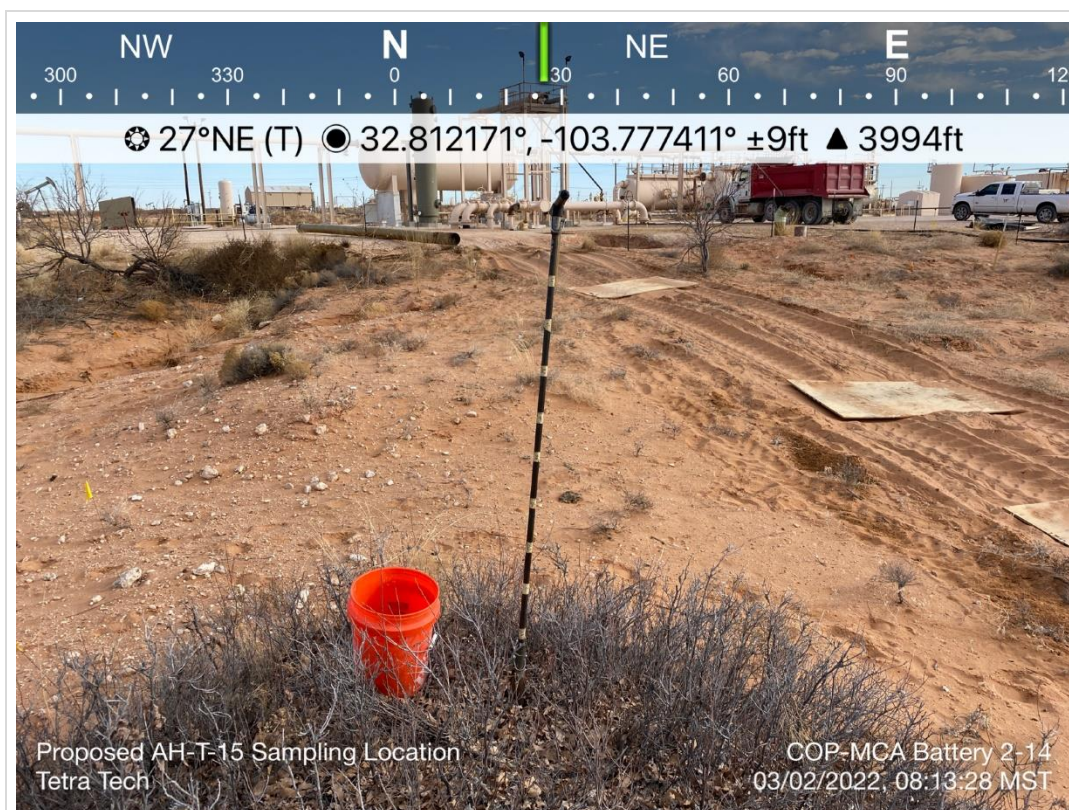
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View southwest, area of release point.	1
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	2/21/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View east, release extent contained on pad.	2
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	2/21/2022



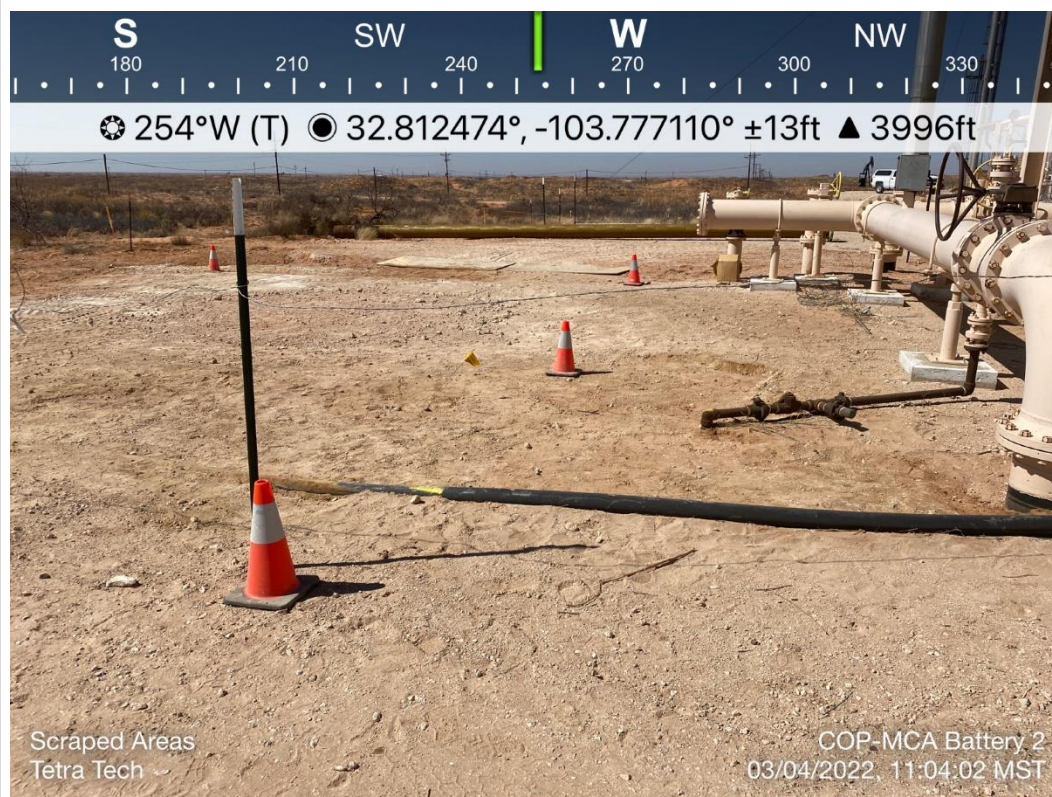
TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View northeast, Area of AH-T-15.	3
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	3/2/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View east, scraped release extent.	4
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	3/4/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View southeast, scraped release extent	5
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	3/4/2022



TETRA TECH, INC. PROJECT NO. 212C-MD-02689	DESCRIPTION	View west, scraped area near release point.	6
	SITE NAME	ConocoPhillips MCA Battery 2 North Header Release	3/4/2022

APPENDIX F

Laboratory Analytical Data



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

March 07, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 - " 14 " TRUNKLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/01/22 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 10 (0-1') (H220796-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20	
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39	
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52	
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18	
Total BTEX	<0.300	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/04/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/03/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/03/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 11 (0-1') (H220796-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/03/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/03/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 8 (0-1') (H220796-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2022	ND	209	104	200	0.487	
DRO >C10-C28*	26.8	10.0	03/03/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/03/2022	ND					

Surrogate: 1-Chlorooctane 122 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 8 (1'-2') (H220796-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/03/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/03/2022	ND					

Surrogate: 1-Chlorooctane 137 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 9 (0-1') (H220796-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/03/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/03/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 9 (1'-2') (H220796-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 11 (0-1') (H220796-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	2.01	101	2.00	5.20		
Toluene*	<0.050	0.050	03/03/2022	ND	2.07	104	2.00	2.39		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	2.02	101	2.00	6.52		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.29	105	6.00	6.18		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	116	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	139	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 146 % 66.9-136

Surrogate: 1-Chlorooctadecane 155 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 11 (1'-2') (H220796-08)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTX	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	117	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	162	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 146 % 66.9-136

Surrogate: 1-Chlorooctadecane 153 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 13 (0-1') (H220796-09)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTX	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 138 % 66.9-136

Surrogate: 1-Chlorooctadecane 139 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 13 (1'-2') (H220796-10)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 142 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 14 (0-1') (H220796-11)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 134 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 14 (1'-2') (H220796-12)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 140 % 66.9-136

Surrogate: 1-Chlorooctadecane 137 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 1 (0-1') (H220796-13)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	209	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	208	104	200	4.06	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 1 (1'-2') (H220796-14)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTX	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	12.6	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 2 (0-1') (H220796-15)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 2 (1'-2') (H220796-16)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 3 (0-1') (H220796-17)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 3 (1'-2') (H220796-18)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 1 (0-1') (H220796-19)

BTEx 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/03/2022	ND	1.98	99.2	2.00	6.43	
Toluene*	2.28	0.200	03/03/2022	ND	1.96	97.8	2.00	6.80	
Ethylbenzene*	10.8	0.200	03/03/2022	ND	1.96	98.0	2.00	6.48	
Total Xylenes*	22.0	0.600	03/03/2022	ND	6.04	101	6.00	6.28	
Total BTEX	35.1	1.20	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 69.9-140

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	03/04/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	477	50.0	03/07/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	2420	50.0	03/07/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	442	50.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 183 % 66.9-136

Surrogate: 1-Chlorooctadecane 264 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 1 (2'-3') (H220796-20)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43	
Toluene*	0.195	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80	
Ethylbenzene*	0.772	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48	
Total Xylenes*	1.40	0.150	03/03/2022	ND	6.04	101	6.00	6.28	
Total BTEx	2.37	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	136	10.0	03/07/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	1490	10.0	03/07/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	345	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 1 (3'-4') (H220796-21)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	0.090	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	0.199	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-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	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.6	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	260	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	29.8	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 1 (5'-6') (H220796-22)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43	
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80	
Ethylbenzene*	0.069	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48	
Total Xylenes*	0.228	0.150	03/03/2022	ND	6.04	101	6.00	6.28	
Total BTX	<0.300	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.2	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	357	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	49.7	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 1 (7'-8') (H220796-23)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43	
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80	
Ethylbenzene*	0.190	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48	
Total Xylenes*	0.638	0.150	03/03/2022	ND	6.04	101	6.00	6.28	
Total BTEx	0.828	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	43.7	10.0	03/04/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	502	10.0	03/04/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	85.7	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 149 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 5 (0-1') (H220796-24)

BTEx 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43	
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80	
Ethylbenzene*	0.755	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48	
Total Xylenes*	3.03	0.150	03/03/2022	ND	6.04	101	6.00	6.28	
Total BTEX	3.78	0.300	03/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 177 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	03/04/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	219	10.0	03/07/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	5020	10.0	03/07/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	2420	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 155 % 66.9-136

Surrogate: 1-Chlorooctadecane 257 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 5 (2'-3') (H220796-25)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTEx	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	183	91.5	200	0.125	
DRO >C10-C28*	368	10.0	03/07/2022	ND	204	102	200	0.0265	
EXT DRO >C28-C36	311	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 131 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/01/2022	Sampling Date:	03/01/2022
Reported:	03/07/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 5 (3'-4') (H220796-26)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/03/2022	ND	1.98	99.2	2.00	6.43		
Toluene*	<0.050	0.050	03/03/2022	ND	1.96	97.8	2.00	6.80		
Ethylbenzene*	<0.050	0.050	03/03/2022	ND	1.96	98.0	2.00	6.48		
Total Xylenes*	<0.150	0.150	03/03/2022	ND	6.04	101	6.00	6.28		
Total BTX	<0.300	0.300	03/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/04/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	210	105	200	0.608	
DRO >C10-C28*	61.0	10.0	03/04/2022	ND	213	106	200	0.406	
EXT DRO >C28-C36	22.3	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.4 % 59.5-142

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/3

Company Name: <u>ConocoPhillips</u> Project Manager: <u>Christina L. Williams</u> Address: <u>Christina.L.Williams@conocoPhillips.com</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>212E-MD-02689</u> Project Owner: _____ Project Name: <u>N/A Battery 2 Release</u> City: _____ Project Location: <u>Los Combs, NM</u> State: _____ Zip: _____ Sample Name: <u>Coltho Baker</u> Phone #: _____ FOR LAB USE ONLY Fax #: _____				BILL TO P.O. #: _____ Company: <u>Tetra Tech</u> Attn: <u>Christina L. Williams</u> Address: <u>by email</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST			
Lab I.D. <u>H220794</u> Sample I.D. _____				PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.							
Relinquished By: <u>Coltho Baker</u> Date: <u>3/1/22</u> Received By: <u>Jamara Williams</u> Date: <u>3/1/22</u>				Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____ Remarks: <u>Christina.L.Williams@conocoPhillips.com</u>							
Delivered By: (Circle One) <input checked="" type="checkbox"/> Observed Temp. °C <u>22.9</u> Sample Condition <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Checked By: <u>JO</u> Sampler - UPS - Bus - Other: _____ Corrected Temp. °C <u>22.4</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C _____ Correction Factor -0.5°C <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temp. °C _____											

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 08, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 - " 14 " TRUNKLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/22 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 1 (0.5'-1.5') (H220830-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	1.96	97.8	2.00	6.52	
Toluene*	<0.050	0.050	03/04/2022	ND	1.93	96.6	2.00	6.68	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.86	92.8	2.00	6.21	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.81	96.9	6.00	5.66	
Total BTEX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	03/04/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.7	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	215	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	30.9	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 1 (2'-3') (H220830-02)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	109	2.00	0.514		
Toluene*	<0.050	0.050	03/04/2022	ND	2.15	107	2.00	0.0485		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.12	106	2.00	0.478		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.55	109	6.00	0.663		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 1 (3'-4') (H220830-03)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	24.1	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 1 (5'-6') (H220830-04)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	56.5	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 3 (0.5'-1.5') (H220830-05)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	0.114	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTEX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1980	16.0	03/04/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.5	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	158	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	18.4	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 3 (2'-3') (H220830-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	215	108	200	1.24	
DRO >C10-C28*	107	10.0	03/05/2022	ND	230	115	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 3 (3'-4') (H220830-07)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.6	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	118	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	14.7	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 3 (5'-6') (H220830-08)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	21.9	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 4 (0.5'-1.5') (H220830-09)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	1.42	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	5.65	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	2.98	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTEX	10.0	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	168	50.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	1320	50.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	616	50.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 145 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 4 (2'-3') (H220830-10)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	0.168	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTEx	0.311	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.8	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	262	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	112	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 4 (3'-4') (H220830-11)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	51.2	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	13.7	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 4 (5'-6') (H220830-12)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1860	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	30.9	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 5 (0.5'-1.5') (H220830-13)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 5 (2'-3') (H220830-14)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	404	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	202	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 5 (3'-4') (H220830-15)

BTX 8021B		mg/kg		Analyzed By: MS\				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	GC-NC
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	GC-NC
Total BTX	<0.300	0.300	03/04/2022	ND					GC-NC

Surrogate: 4-Bromofluorobenzene (PID) 249 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/04/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	357	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	1640	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	219	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 7 (0.5'-1.5') (H220830-16)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	131	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	104	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 7 (2'-3') (H220830-17)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	11.6	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 7 (3'-4') (H220830-18)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 7 (5'-6') (H220830-19)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 10 (0-1') (H220830-20)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415		
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/04/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/04/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 10 (1'-2') (H220830-21)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 12 (0-1') (H220830-22)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	110	2.00	0.415	
Toluene*	<0.050	0.050	03/04/2022	ND	2.14	107	2.00	0.0877	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.11	106	2.00	0.407	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.54	109	6.00	0.532	
Total BTX	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 12 (1'-2') (H220830-23)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTX	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 15 (0-1') (H220830-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTX	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 15 (1'-2') (H220830-25)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTX	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	<10.0	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 9 (0-1') (H220830-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2022	ND	225	112	200	0.520	
DRO >C10-C28*	674	10.0	03/05/2022	ND	237	118	200	2.10	
EXT DRO >C28-C36	323	10.0	03/05/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 9 (2'-3') (H220830-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	231	115	200	0.498	
DRO >C10-C28*	13.6	10.0	03/07/2022	ND	207	104	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 77.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 9 (3'-4') (H220830-28)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTX	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	231	115	200	0.498	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	207	104	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 9 (5'-6') (H220830-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	03/04/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	231	115	200	0.498	
DRO >C10-C28*	24.7	10.0	03/07/2022	ND	207	104	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/02/2022	Sampling Date:	03/02/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 9 (7'-8') (H220830-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2022	ND	1.95	97.5	2.00	11.6		
Toluene*	<0.050	0.050	03/04/2022	ND	2.00	100	2.00	6.98		
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	1.92	96.0	2.00	8.86		
Total Xylenes*	<0.150	0.150	03/04/2022	ND	5.94	99.0	6.00	9.69		
Total BTEx	<0.300	0.300	03/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/04/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	231	115	200	0.498	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	207	104	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

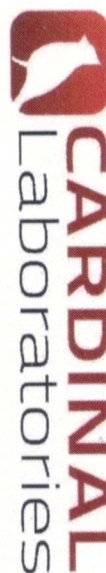
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



2/3

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

March 08, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 - " 14 " TRUNKLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/03/22 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 2 (0.5'-1.5') (H220845-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45	
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89	
Total BTEX	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 2 (2'-3') (H220845-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45	
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89	
Total BTX	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/07/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 2 (3'-4') (H220845-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 2 (5'-6') (H220845-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 2 (7'-8') (H220845-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 6 (0.5'-1.5') (H220845-06)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	262	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	175	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 6 (2'-3') (H220845-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 77.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - T - 6 (3'-4') (H220845-08)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45	
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89	
Total BTX	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	03/07/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 79.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 4 (0.5'-1.5') (H220845-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 4 (2'-3') (H220845-10)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45		
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 4 (3'-4') (H220845-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45	
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89	
Total BTEx	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 4 (5'-6') (H220845-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	2.45	
Toluene*	<0.050	0.050	03/05/2022	ND	2.13	107	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.04	102	2.00	1.92	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.36	106	6.00	1.89	
Total BTEx	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 5 (0.5'-1.5') (H220845-13)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2022	ND	2.19	109	2.00	0.514	
Toluene*	<0.050	0.050	03/04/2022	ND	2.15	107	2.00	0.0485	
Ethylbenzene*	<0.050	0.050	03/04/2022	ND	2.12	106	2.00	0.478	
Total Xylenes*	<0.150	0.150	03/04/2022	ND	6.55	109	6.00	0.663	
Total BTEx	<0.300	0.300	03/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 5 (2'-3') (H220845-14)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	0.514	
Toluene*	<0.050	0.050	03/05/2022	ND	2.15	107	2.00	0.0485	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.12	106	2.00	0.478	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.55	109	6.00	0.663	
Total BTEX	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/07/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 5 (3'-4') (H220845-15)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	0.514	
Toluene*	<0.050	0.050	03/05/2022	ND	2.15	107	2.00	0.0485	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.12	106	2.00	0.478	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.55	109	6.00	0.663	
Total BTEx	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.7 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 5 (5'-6') (H220845-16)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	0.514	
Toluene*	<0.050	0.050	03/05/2022	ND	2.15	107	2.00	0.0485	
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.12	106	2.00	0.478	
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.55	109	6.00	0.663	
Total BTEx	<0.300	0.300	03/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	180	89.9	200	0.312	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	194	97.1	200	8.45	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.4 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	03/03/2022	Sampling Date:	03/03/2022
Reported:	03/08/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 02689	Sample Received By:	Tamara Oldaker
Project Location:	COP - LEA CO NM		

Sample ID: AH - 22 - 5 (7'-8') (H220845-17)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/05/2022	ND	2.19	109	2.00	0.514		
Toluene*	<0.050	0.050	03/05/2022	ND	2.15	107	2.00	0.0485		
Ethylbenzene*	<0.050	0.050	03/05/2022	ND	2.12	106	2.00	0.478		
Total Xylenes*	<0.150	0.150	03/05/2022	ND	6.55	109	6.00	0.663		
Total BTEx	<0.300	0.300	03/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/07/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/07/2022	ND	208	104	200	1.13	
DRO >C10-C28*	<10.0	10.0	03/07/2022	ND	200	99.8	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	03/07/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.1 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

1/2

Company Name: <u>ConocoPhillips</u>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>Christen Lull</u>		Company: <u>Tetra Tech</u>			
Address: <u>Christen.Lull@tetratech.com</u>		Attn: <u>Christen Lull</u>			
City: _____		Address: <u>by email</u>			
State: _____		City: _____			
Zip: _____		State: _____			
Phone #: _____		Zip: _____			
Fax #: _____		Phone #: _____			
Project #: <u>212C-MD-02689</u>		Project Owner: _____			
Project Name: <u>MLA Gathering 2 Releases</u>		City: _____			
Project Location: <u>Lea County, NM</u>		State: _____			
Sample Name: <u>Lea Bakerstaff</u>		Phone #: _____			
FOR LAB USE ONLY		Fax #: _____			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER
<u>H220845</u>				<input checked="" type="checkbox"/>	
1 AH-T-2 (0.5'-1.5')					
2 AH-T-2 (1.5'-3')					
3 AH-T-2 (3'-4')					
4 AH-T-2 (5'-6')					
5 AH-T-2 (7'-9')					
6 AH-T-6 (0.5'-1.5')					
7 AH-T-6 (1.5'-3')					
8 AH-T-6 (3'-4')					
9 AH-T-2 (0.5'-1.5')					
10 AH-T-2 (1.5'-3')					
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Relinquished By: <u>Colton Bakerstaff</u>		3/3/22			
Time: <u>1530</u>					
Date: <u>3/3/22</u>					
Received By: <u>Christen Lull</u>					
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/2

Company Name: <u>Cardinal Labs</u> Project Manager: <u>Christen Lull</u> Address: <u>Christen Lull & Associates</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>212C-MD-01689</u> Project Owner: _____ Project Name: <u>MSA Battery 2 Releases</u> Project Location: <u>Lee County, NY</u> Sampler Name: <u>Christen Lull</u>		P.O. #: _____ Company: <u>Tetra Tech</u> Attn: <u>Christen Lull</u> Address: <u>by email</u> City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
FOR LAB USE ONLY		BILL TO	
Lab I.D. <u>H220845</u>		ANALYSIS REQUEST	
Sample I.D.		MATRIX	
11 AH-22-4 (3'-4') 12 AH-22-4 (5'-6') 13 AH-22-5 (0.5'-1.5') 14 AH-22-5 (2'-3') 15 AH-22-5 (3'-4') 16 AH-22-5 (5'-6') 17 AH-22-5 (7'-8')		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	
DATE <u>3/3/22</u>		TIME <u>1530</u>	
RELINQUISHED BY: <u>Christen Lull</u> Date: <u>3/3/22</u> Time: <u>1530</u>		RECEIVED BY: <u>Christen Lull</u> Date: <u>3/3/22</u> Time: <u>1530</u>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>23.1</u> Corrected Temp. °C <u>23.1</u>	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: <u>Christen Lull</u> (Initials)	
Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Corrected Temp. °C	
REMARKS: <u>Christen Lull & Associates</u>			

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



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

May 24, 2022

CHRISTIAN LLULL

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 - " 14 " TRUNKLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 05/23/22 15:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 1 (0.5' - 1.5') (H222189-01)

BTEX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657	
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10	
Total BTEX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/24/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 128 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 2 (0.5' - 1.5') (H222189-02)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 130 % 66.9-136

Surrogate: 1-Chlorooctadecane 131 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 3 (0.5' - 1.5') (H222189-03)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEX	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 4 (0.5' - 1.5') (H222189-04)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEX	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 139 % 66.9-136

Surrogate: 1-Chlorooctadecane 139 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 5 (0.5' - 1.5') (H222189-05)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 133 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 6 (0.5' - 1.5') (H222189-06)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	05/24/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 128 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 7 (0.5' - 1.5') (H222189-07)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 8 (0.5' - 1.5') (H222189-08)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	05/24/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 9 (0.5' - 1.5') (H222189-09)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 10 (0.5' - 1.5') (H222189-10)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 11 (0.5' - 1.5') (H222189-11)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 128 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: FS - 12 (0.5' - 1.5') (H222189-12)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEX	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: SW - 1 (H222189-13)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: SW - 2 (H222189-14)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: SW - 3 (H222189-15)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	105	2.00	0.657		
Toluene*	<0.050	0.050	05/24/2022	ND	2.05	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	2.01	101	2.00	0.778		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.23	104	6.00	1.10		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: SW - 4 (H222189-16)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	104	2.00	0.674	
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391	
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28	
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906	
Total BTX	<0.300	0.300	05/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TETRA TECH
 CHRISTIAN LLULL
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/23/2022	Sampling Date:	05/23/2022
Reported:	05/24/2022	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 - " 14 " TRUNKLINE RI	Sampling Condition:	** (See Notes)
Project Number:	212C-MD-02689 NORTH HEADER	Sample Received By:	Shalyn Rodriguez
Project Location:	COP - LEA CO NM		

Sample ID: SW - 5 (H222189-17)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/24/2022	ND	2.09	104	2.00	0.674		
Toluene*	<0.050	0.050	05/24/2022	ND	2.06	103	2.00	0.391		
Ethylbenzene*	<0.050	0.050	05/24/2022	ND	1.97	98.3	2.00	1.28		
Total Xylenes*	<0.150	0.150	05/24/2022	ND	6.11	102	6.00	0.906		
Total BTEx	<0.300	0.300	05/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/24/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/24/2022	ND	199	99.4	200	6.07	
DRO >C10-C28*	<10.0	10.0	05/24/2022	ND	193	96.4	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	05/24/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

Company Name: Conoco Phillips							BILL TO							ANALYSIS REQUEST						
Project Manager: Christian Llewellyn							P.O. #:													
Address:							Company: Tetra Tech													
City:							Attn: Christian Llewellyn													
State:							Address:													
Phone #:							City:													
Fax #:							State:													
Project #: 212C-MD-02689							Project Owner:													
Project Location: Lee County, NM							City:													
Sample Name: Andrew Garcia							State:													
Phone #:							Zip:													
Fax #:							Phone #:													
Fax #:							Fax #:													

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	BTEX	TPH	Chloride 4500							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :														
#22189	FS-1 (0.5'-1.5')	G	1	X							23 May	8:00	X	X	X								
	FS-2 (0.5'-1.5')											8:15	X	X									
	FS-3 (0.6'-1.5')											8:30	X	X									
	FS-4 (0.5'-1.5')											8:45	X	X									
	FS-5 (0.6'-1.5')											9:00	X	X									
	FS-6 (0.5'-1.5')											9:15	X	X									
	FS-7 (0.6'-1.5')											9:30	X	X									
	FS-8 (0.5'-1.5')											9:45	X	X									
	FS-9 (0.5'-1.5')											10:00	X	X									
	FS-10 (0.5'-1.5')											10:15	X	X									

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Relinquished By: Andrew Garcia		Date: 5/23/22	Received By:
Time: 1518		Signature:	
Date:		Received By:	
Time:		Signature:	

Delivered By: (Circle One) ☒ Observed Temp. °C: 32.0°C ☐ Corrected Temp. °C: 31.5°C

Sampler - UPS - Bus - Other: ☐ Cool ☐ Intact ☐ Yes ☐ No

CHECKED BY: (Initials) **Turnaround Time:** Standard ☒ Rush ☐

Thermometer ID #113 **Bacteria (only) Sample Condition** ☐ Cool ☐ Intact ☐ Yes ☐ No

Correction Factor -0.5°C **Observed Temp. °C** **Corrected Temp. °C**

REMARKS: Nicholas, Poole & TetraTech.com Push!

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address:



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 21 of 2

Company Name: Conoco Phillips						BILL TO						ANALYSIS REQUEST											
Project Manager: Christian Lluhi						P.O. #:																	
Address:						Company: Tetra Tech																	
City:						Attn: Christian Lluhi																	
State:						Address:																	
Fax #:						City:																	
Project #: 212C-MD-02689						Project Owner:																	
Project Name: MCA Battery 2-North Heder						State:						Zip:											
Project Location: Lee County, NM						Phone #:																	
Sampler Name: Andrew Garcia						Fax #:																	
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX						PRESERV		SAMPLING							
								GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME					
H20A189		FS - 11 (0.5'-1.5')	G 1	X																			
11		FS - 12 (0.5'-1.5')	1																				
12		SW - 1 (1.5'-4.5')																					
13		SW - 2																					
14		SW - 3																					
15		SW - 4																					
16		SW - 5																					
17																							
18	SE																						
19	SE																						
20	5-23-22																						
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																							
Relinquished By: Andrew Garcia						Date: 8/23/22						Received By:											
Relinquished By:						Time: 1518						Signature:											
Date:						Date:						Signature:											
Delivered By: (Circle One)						Observed Temp. °C: 30.0°C						Sample Condition: Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No						CHECKED BY: (Initials) SE					
Sampler - UPS - Bus - Other:						Corrected Temp. °C: 31.5°C						Turnaround Time:						Thermometer ID #113 Correction Factor -0.5°C					
REMARKS:						Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No						Add'l Phone #:						All Results are emailed. Please provide Email address:					
Nicholas, Poole@TetraTech.com						Rush 1/24						Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/>						Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 111801

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 111801
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	8/30/2022