



June 9, 2023

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

**Re: Remediation Report and Deferral Request
Maverick Natural Resources, LLC
MCA Battery 2 Trunkline Release and Flare Stack Release
Unit Letter D, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico
Incident ID: nAPP2131935400**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by ConocoPhillips to assess multiple releases that occurred as the result of an equipment malfunction at the Maljamar Cooperative Agreement (MCA) Battery 2, located in Public Land Survey System (PLSS) Unit Letter D, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). There were two releases that occurred on the same day, with intersecting footprints. The approximate release point for the trunkline occurred at coordinates 32.812345°, -103.777239°, as shown in **Figure 1** and **Figure 2**.

BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report provided in **Attachment 1**, the releases were discovered on November 1, 2021, during the response to a separate release occurring on the prior day. The release occurred due to a malfunctioning Emergency Shutdown (ESD) inlet valve on the MCA Battery 2 south separator causing a trunkline failure due to pressure buildup. The flare stack release occurred concurrently with the trunkline release after the flare scrubber (two-phase separator) failed to function properly as a result of the ESD inlet valve malfunction. The trunkline release point is located along the southern edge of the Site pad at 32.812345°, -103.777239°, and the flare scrubber release point is located at 32.812600°, -103.777909°. Approximately 69 barrels (bbls) of produced water and 17 bbls of crude oil were reported released. The release notification was received by the New Mexico Oil Conservation District (NMOCD) on November 15, 2021, and the NMOCD assigned release the Incident ID nAPP2131935400.

SITE CHARACTERIZATION

Tetra Tech performed a site characterization that did not identify any watercourses, springs, sinkholes, playa lakes, wetlands, residences, schools, hospitals, institutions, churches, private domestic water wells, incorporated municipal boundaries, subsurface mines, or floodplains within the specified distances. According to the NMOCD, The site is located in a low karst potential area.

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 locations with reported average depths to groundwater of 85 feet below ground surface (bgs). The site characterization data is included in **Attachment 2**.

Tetra Tech, Inc.

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REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 New Mexico Administrative Code (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 (BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, established depth to groundwater as between 51 and 100 feet bgs, and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Closure Criteria for Soils Impacted by a Release

Constituent	Site RRALs
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCDC guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

Reclamation Requirements

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH	100 mg/kg

INITIAL RESPONSE AND ASSESSMENT 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 footprint in 2022. The release extents consisted of approximately 3,500 square feet of the lease pad and roughly 22,000 square feet of pastureland.

Initial response remedial actions were performed at the release site between February and March 2022. Visually stained areas were scraped to remove impacted materials. Both on-pad and pastureland areas were scraped to approximately 3 to 6 inches bgs, resulting in approximately 320 cubic yards of contaminated soil being removed and transported to the R360 Halfway Facility in Hobbs, New Mexico. The initial response area is depicted in **Figure 3**.

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SITE ASSESSMENT SUMMARY

During the initial response activity timeframe, Tetra Tech personnel were on-Site to conduct soil sampling to delineate the release extent. A total of 32 boreholes were installed using a hand auger to achieve vertical and horizontal delineation of the trunkline release between February 18 and March 3, 2022.

Seven (7) boreholes (AH-T-1 through AH-T-7) were installed inside the reported trunkline release extent to depths ranging from 6 to 8 feet bgs to vertically delineate the release. Nine (9) boreholes (AH-T-8 through AH-T-16) were installed along the perimeter of the release extent to a depth of 2 feet bgs to achieve horizontal delineation of the trunkline release.

Five (5) boreholes (AH-22-1 through AH-22-5) were installed in and around an adjacent release and used as horizontal delineation of this release. Eleven (11) boreholes (AH-1 through AH-11) were installed in and around the flare stack release extent. Collected samples were field screened for salinity using an ExTech EC400 ExStik and for hydrocarbons using a photoionization detector (PID) to measure volatile organics. Boring locations are presented in **Figure 4**.

A total of 85 samples were collected from the 32 borings and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico for analysis of TPH (GRO, DRO, and ORO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chloride by EPA Method SM4500Cl-B. Most of the Laboratory analytical data packages including chain-of-custody documentation were previously submitted to the NMOCD in the Release Characterization and Remediation Work Plan for the Site dated April 26, 2022.

ADDITIONAL DELINEATION

To achieve horizontal and vertical delineation of the flare stack release extent, Tetra Tech personnel returned to the Site on behalf of Maverick to conduct additional soil sampling on May 16, 2023. A total of two (2) soil borings (AH-R-17 and AH-R-18) were installed within the release extent using a hand auger to depths of 4 feet bgs, to define the lateral extent of the release in this area.

A total of 6 soil samples were collected from the two boring locations and submitted to Cardinal for analysis of chloride by EPA Method SM4500Cl-B and TPH via EPA Method 8015M. Copies of the laboratory analytical data packages including chain-of-custody documentation are included in **Attachment 3**. Soil boring locations are shown in **Figure 4**.

SUMMARY OF SAMPLING RESULTS

Results from the February and March 2022 and May 2023 soil sampling events are summarized in **Table 1** and **Table 2**. Analytical results associated with borings AH-1, AH-5, AH-8, AH-T-1 through AH-T-7, and AH-T-11 reported concentrations of Constituents of Concern (COCs) as greater than Reclamation Requirements for chloride and/or TPH in soils to depths up to 4 feet below surrounding grade. All other analytical results from February and March 2020 sampling events and the May 2023 sampling event reported concentrations of COCs as less than Reclamation Requirements and Site RRALs, as applicable. Analytical results from the sampling events show that both horizontal and vertical delineation was achieved during Site assessment activities.

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REMEDIATION WORK PLAN AND APPROVAL

Tetra Tech prepared the Release Characterization and Remediation Work Plan (Work Plan) on behalf of the former operator (ConocoPhillips) and submitted it to NMOCD on April 26, 2022, with the application fee. The Work Plan described the results of the release assessment and provided the characterization of impacts at the Site. The Work Plan was approved by Jennifer Nobui on May 20, 2022.

REMEDIATION AND CONFIRMATION SAMPLING

Based on the soil assessment and delineation results for the release and the approved remediation work plan, excavation activities commenced on April 17 and concluded on May 22, 2023. Maverick's subcontractor, SDR Enterprises, Inc. (SDR) used heavy equipment to excavate 3,240 cubic yards of impacted soil from the remediation areas as shown in **Figure 5** to maximum depths of 1, 2, 4, and 6 feet below the surrounding ground surface, respectively. To avoid any potential contact by heavy equipment with the pressurized lines, heavy equipment was maintained at a distance of at least 2 feet from pressurized lines and hydro-excavation and hand digging methods were used to remove material surrounding pressurized lines.

SDR excavated and transported 3,240 yards of contaminated soil to R360 Halfway for offsite disposal. SDR sourced 3200 yards of topsoil from the Seth Boyd Pit to backfill of the excavated areas.

Upon reaching the final lateral and vertical excavation extents of the excavations, Tetra Tech collected 78 confirmation samples, including 25 floor samples and 53 side wall samples from the excavated areas. Confirmation samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis of chloride (SM4500 CL-B), TPH (8015M), and BTEX (8021B). Laboratory analytical results for submitted confirmation samples reported concentrations of chloride, TPH, and BTEX as less than respective Reclamation Requirements for samples collected from depths above 4 feet bgs. For all samples obtained at or below a depth of 4 feet bgs, laboratory analytical results reported constituent concentrations as less than Reclamation Requirements or RRALs, and clean margins were demonstrated.

On May 15, 2023, subsequent to the receipt of confirmation sample results, SDR completed backfilling of the excavated areas with clean soil. Confirmation sampling laboratory analytical results screened against Reclamation Requirements are summarized in **Table 3**, Confirmation sampling laboratory analytical results screened against RRALs are summarized in **Table 4**, and laboratory analytical data packages including chain of custody documentation are included in **Attachment 3**. Photographic Documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 4**.

DEFERRAL REQUEST

After the assessment, initial response, remediation, and additional delineation activities conducted at the Site, there is contamination remaining at concentrations greater than Reclamation Requirements and RRALs in the upper 3 feet bgs at AH-5 where chloride concentrations were reported as greater than Reclamation Requirements from 0 to 1-foot bgs, and total TPH concentrations were reported as greater than RRALs from 0 to 3 feet bgs. Concentrations of chloride and TPH at this location are within the active facility pad, are vertically and horizontally delineated to below Reclamation Requirements, and do not pose a risk to human health, the environment, or groundwater. Additionally, AH-5 is located in the immediate vicinity of the high-pressure flare foundation and beneath one of the flare guy wires where conducting remediation would cause a major facility deconstruction of the flare to facilitate remediation equipment access.

Maverick respectfully requests that the NMOCD will approve a deferral of remediation, restoration, and reclamation in the area of AH-5 as shown in **Figure 6** until the high-pressure flare equipment is removed during other operations

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or when the facility is decommissioned at the end of life of the facility, whichever comes first. If the deferral request is approved, final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas operations.

CONCLUSIONS

Based on the results of the confirmation sampling, With the exception of the area subject of the above deferral request shown in **Figure 6**, the remaining impacted soil within the release footprint with chloride or TPH concentrations above applicable Reclamation Requirements and/or RRALs has been removed and properly disposed of offsite and the excavated area has been backfilled with clean material. Site remediation is complete for those areas shown in **Figure 5** and deferral is requested in accordance with 19.15.29.12 C (2) NMAC for remediation of the remaining impacts at AH-5 as shown in **Figure 6**. The backfilled areas have been graded and seeded to aid in vegetation growth to complete reclamation. The seed mixture to be used is provided in **Attachment 5**. If you have any questions concerning the remediation activities for the Site, please call me at (832) 252-2093.

Sincerely,



Charles H. Terhune IV, P.G.
Program Manager
Tetra Tech, Inc.



Stephen Jester
Program Manager
Tetra Tech, Inc.

Cc:
Mr. Bryce Wagoner – Maverick Natural Resources
Bureau of Land Management

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LIST OF ATTACHMENTS

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent and Initial Excavation Map
- Figure 4 – Release Assessment Map
- Figure 5 – Deferral Area
- Figure 5 – Remediation Extent and Confirmation Sample Locations

Tables:

- Table 1 – Summary of Soil Analytical Results – Shallow Soil Assessment
- Table 2 – Summary of Soil Analytical Results – Deep Soil Assessment
- Table 3 – Summary of Soil Analytical Results – Shallow Confirmation Sampling
- Table 4 – Summary of Soil Analytical Results – Deep Confirmation Sampling

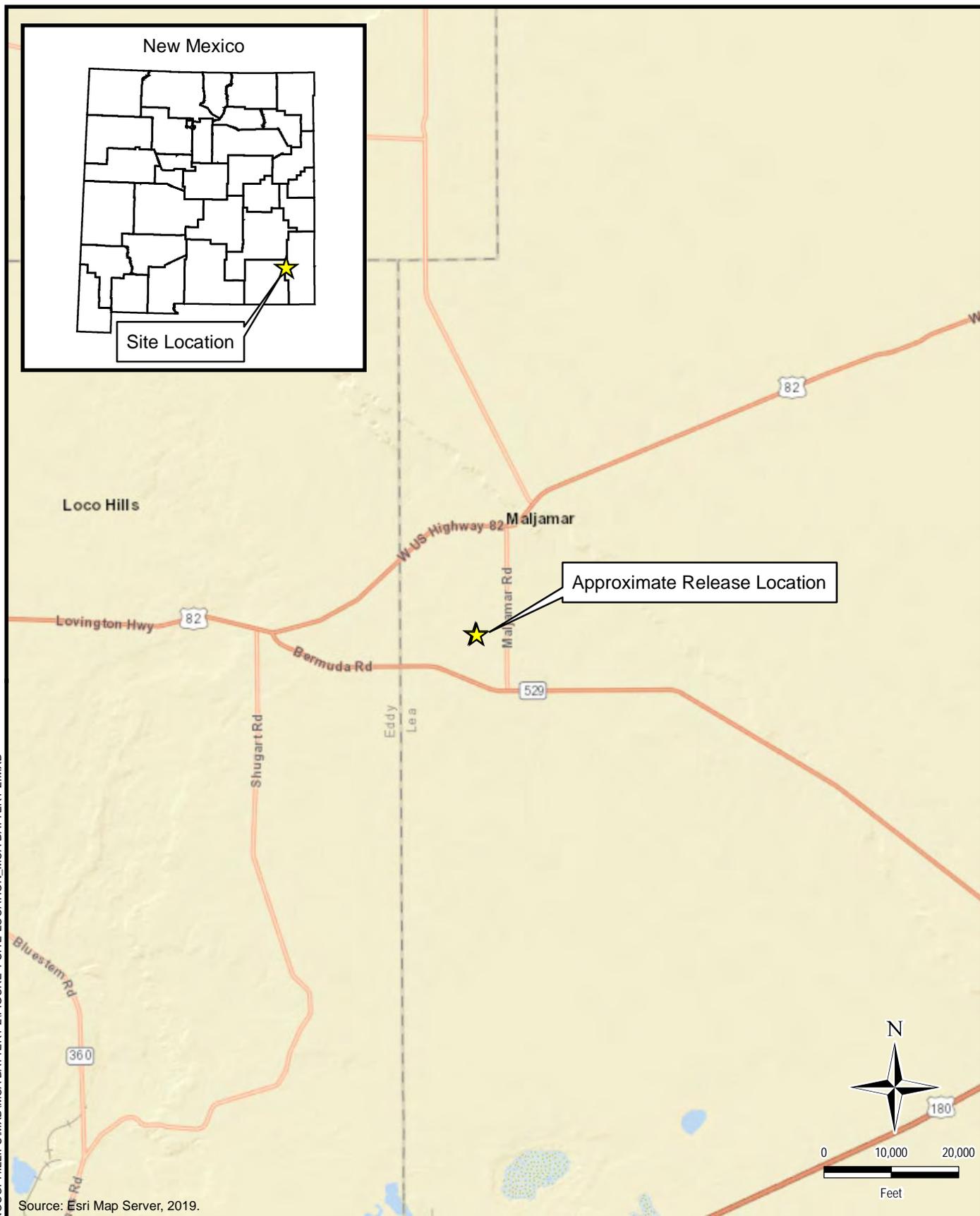
Attachments:

- Attachment 1 – C-141 Form
- Attachment 2 – Site Characterization Data
- Attachment 3 – Laboratory Analytical Data
- Attachment 4 – Photographic Documentation
- Attachment 5 – NMSLO Seed Mixture Details

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

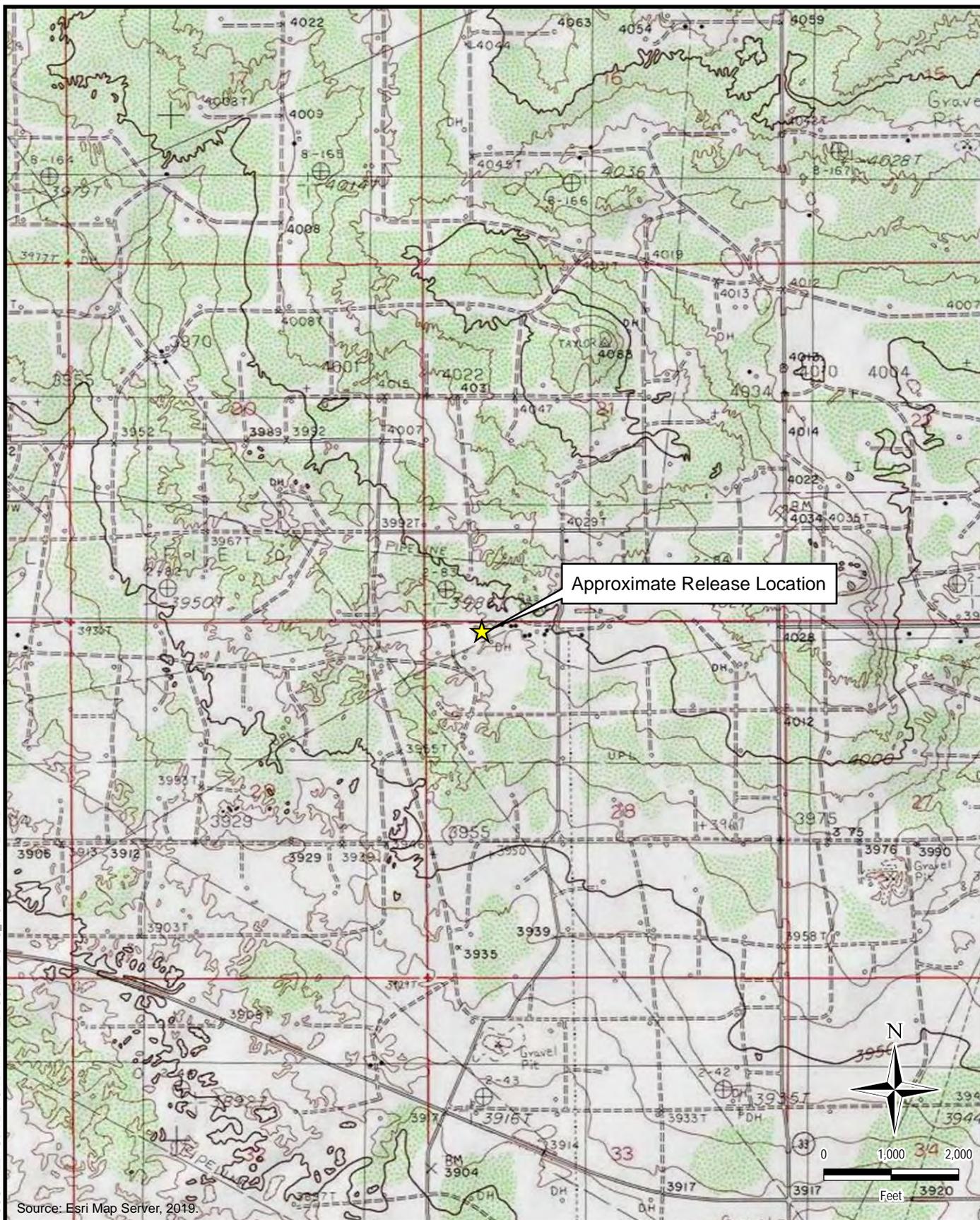
FIGURES



Source: Esri Map Server, 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA BATTERY 2\FIGURE 1 SITE LOCATION_MCA BATTERY 2.MXD

 <p>www.tetrattech.com 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946</p>	<p>CONOCOPHILLIPS</p> <p>NAPP2131935400 (32.811944°, -103.777222°) LEA COUNTY, NEW MEXICO</p>	<p>PROJECT NO.: 212C-MD-02689</p>
	<p>MCA BATTERY 2 - TRUNKLINE RELEASE SITE LOCATION MAP</p>	<p>DATE: APRIL 12, 2022</p> <p>DESIGNED BY: AAM</p>
	<p>Figure No. 1</p>	



Source: Esri Map Server, 2019.

DOCUMENT PATH: D:\CONOCOPHILLIPS\MCA BATTERY 2\FIGURE 2 TOPO_MCA BATTERY 2.MXD



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 (32.811944°, -103.777222°)
 LEA COUNTY, NEW MEXICO

MCA BATTERY 2 - TRUNKLINE RELEASE
 TOPOGRAPHIC MAP

PROJECT NO.: 212C-MD-02689

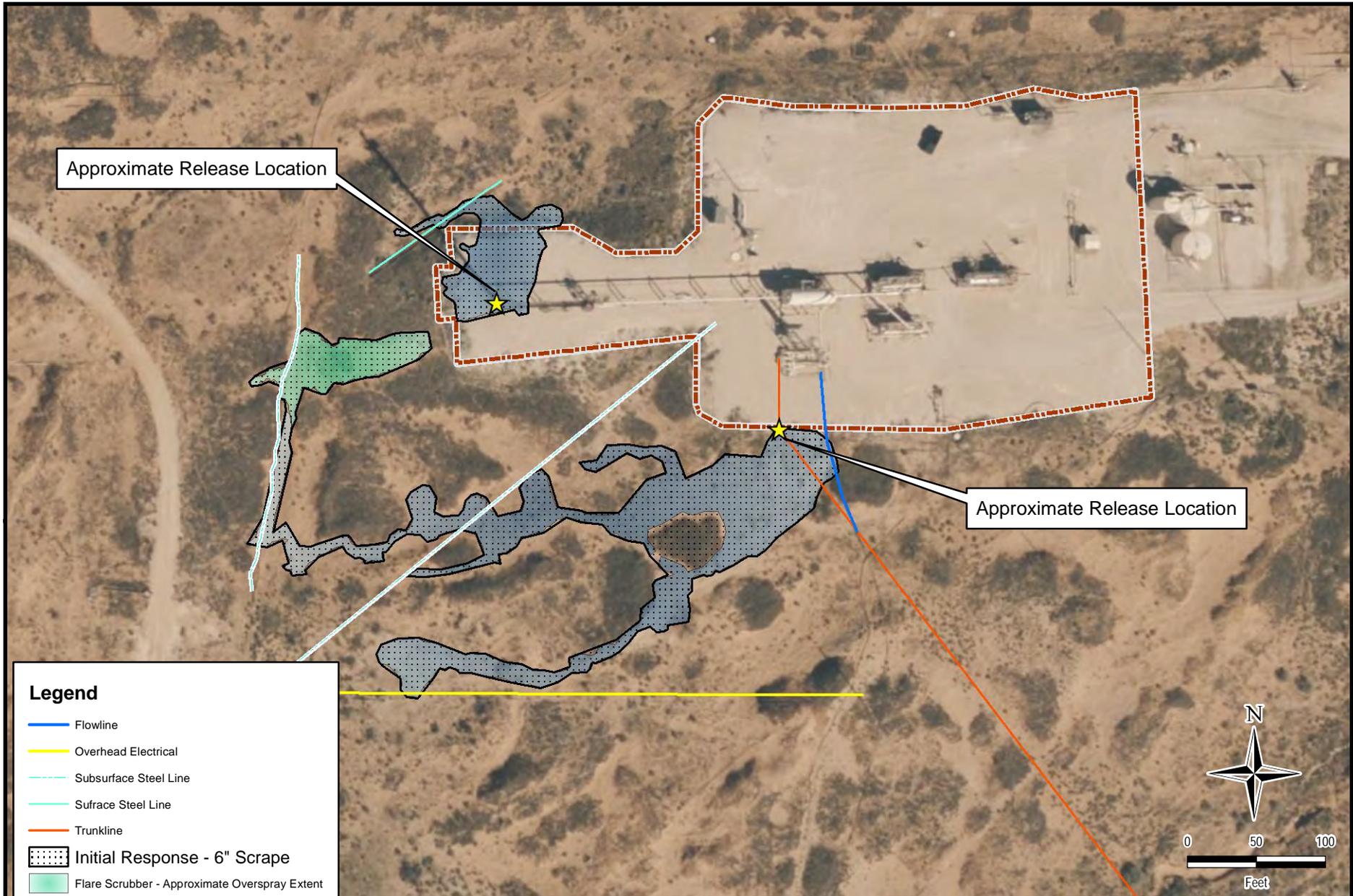
DATE: APRIL 18, 2022

DESIGNED BY: AAM

Figure No.

2

DOCUMENT PATH: D:\CONOCOPHILLIPS\MCA BATTERY 2\FIGURE 3 RELEASE_MCA BATTERY 2.MXD



Legend

- Flowline
- Overhead Electrical
- - - Subsurface Steel Line
- Surface Steel Line
- Trunkline
- Initial Response - 6" Scrape
- Flare Scrubber - Approximate Overspray Extent
- Flare Scrubber - Approximate Release Extent
- Trunkline - Approximate Release Extent
- Approximate Pad Extent

BGS - Below Ground Surface
Source: Bing Image Server, 2019.

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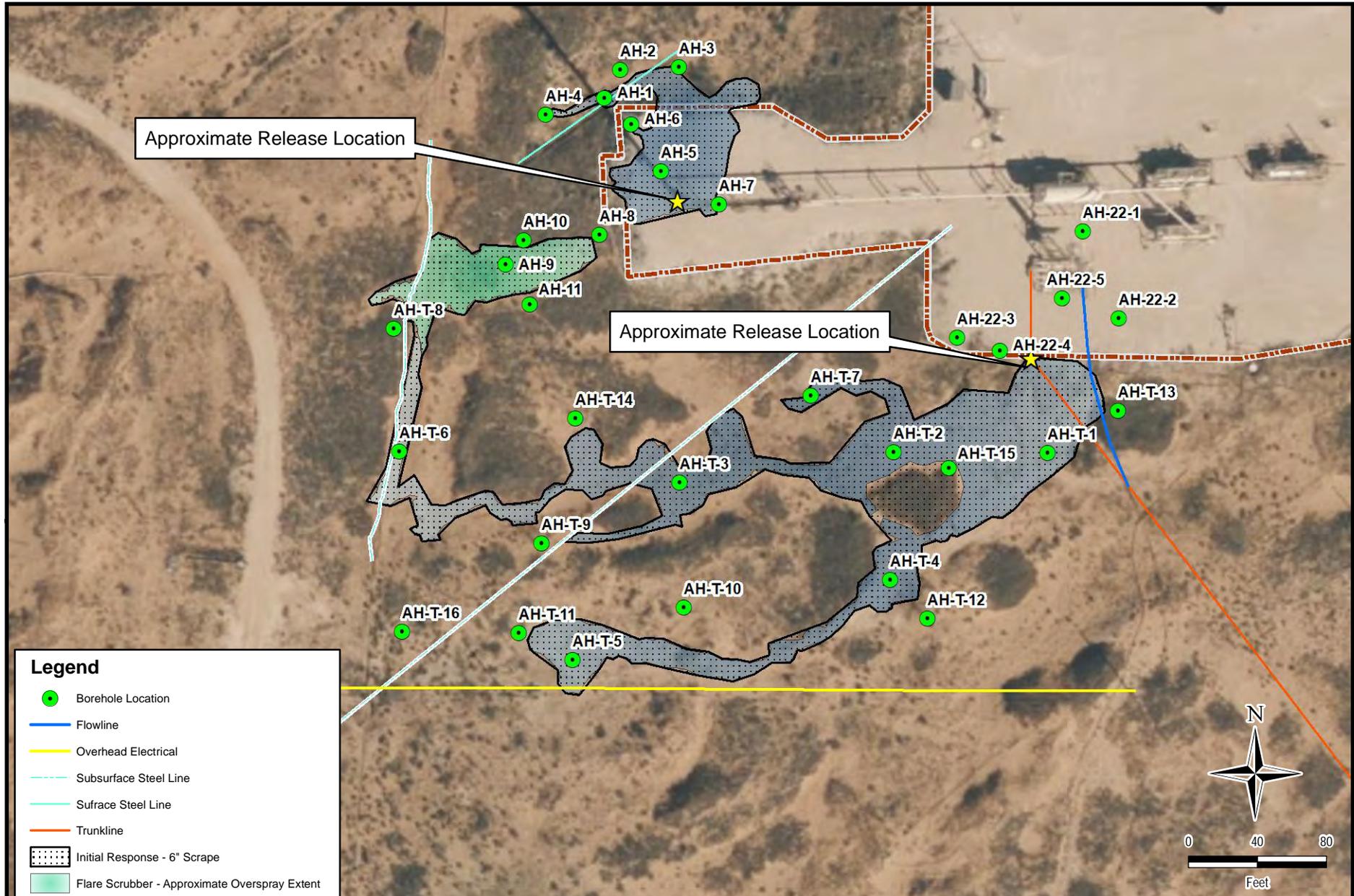
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LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 - TRUNKLINE RELEASE
APPROXIMATE RELEASE EXTENTS AND INITIAL RESPONSE**

PROJECT NO.:	212C-MD-02689
DATE:	APRIL 18, 2022
DESIGNED BY:	AAM
Figure No.	3



DOCUMENT PATH: D:\CONOCOPHILLIPS\MCA BATTERY 2\FIGURE 4 SOIL_MCA BATTERY 2.MXD

Legend

- Borehole Location
- Flowline
- Overhead Electrical
- - - Subsurface Steel Line
- Surface Steel Line
- Trunkline
- Initial Response - 6" Scrape
- Flare Scrubber - Approximate Overspray Extent
- Flare Scrubber - Approximate Release Extent
- Trunkline - Approximate Release Extent
- Approximate Pad Extent

BGS - Below Ground Surface
Source: Bing Image Server, 2019.



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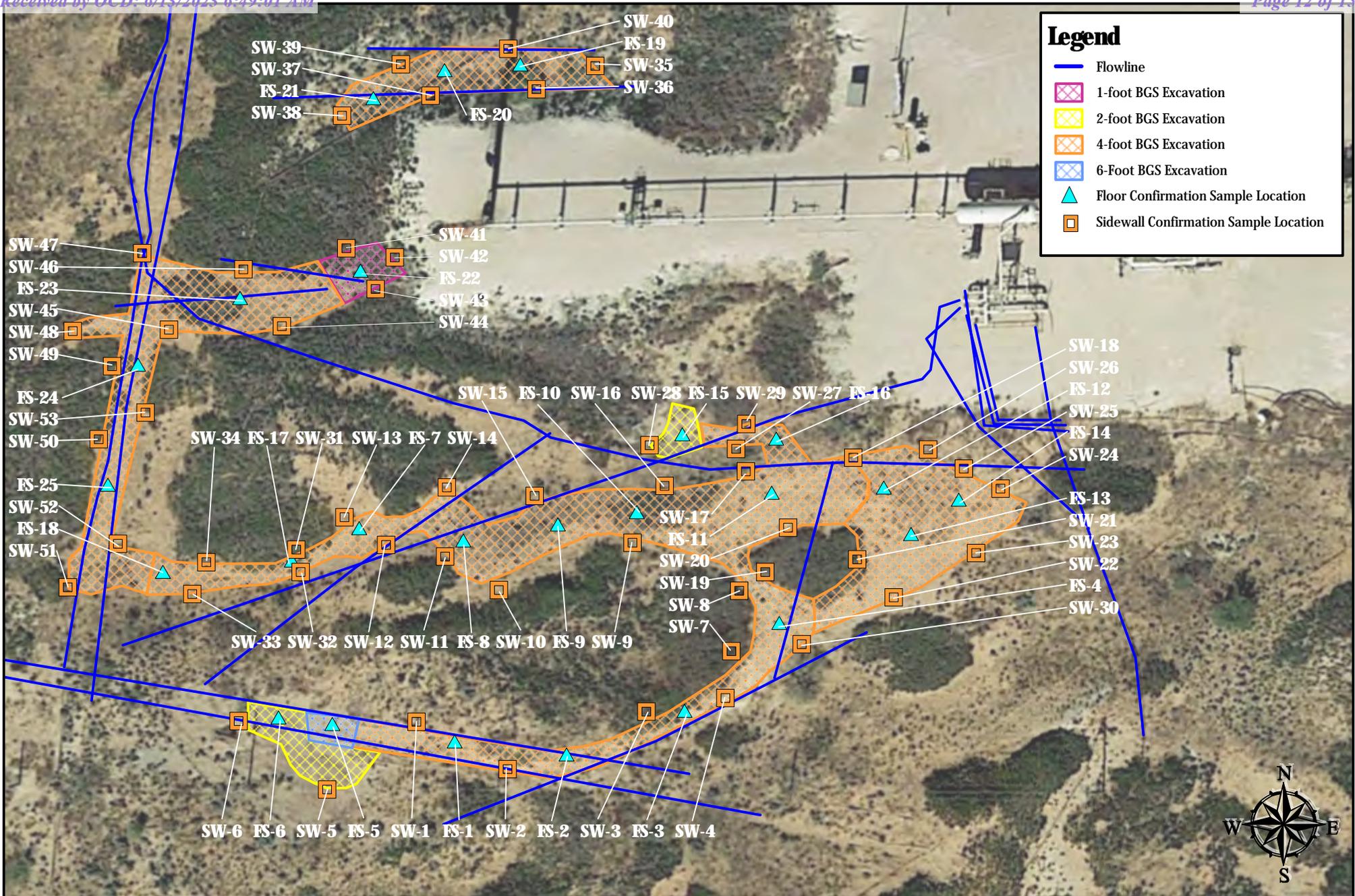
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(32.811944°, -103.777222°)
LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 - TRUNKLINE RELEASE
SOIL ASSESSMENT**

PROJECT NO.:	212C-MD-02689
DATE:	APRIL 19, 2022
DESIGNED BY:	AAM
Figure No.	4



0 50 100



Approximate Scale in Feet

BGS - Below Ground Surface
Image Source: Google Earth, 2017



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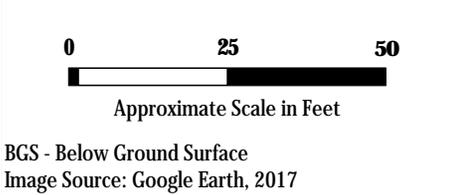
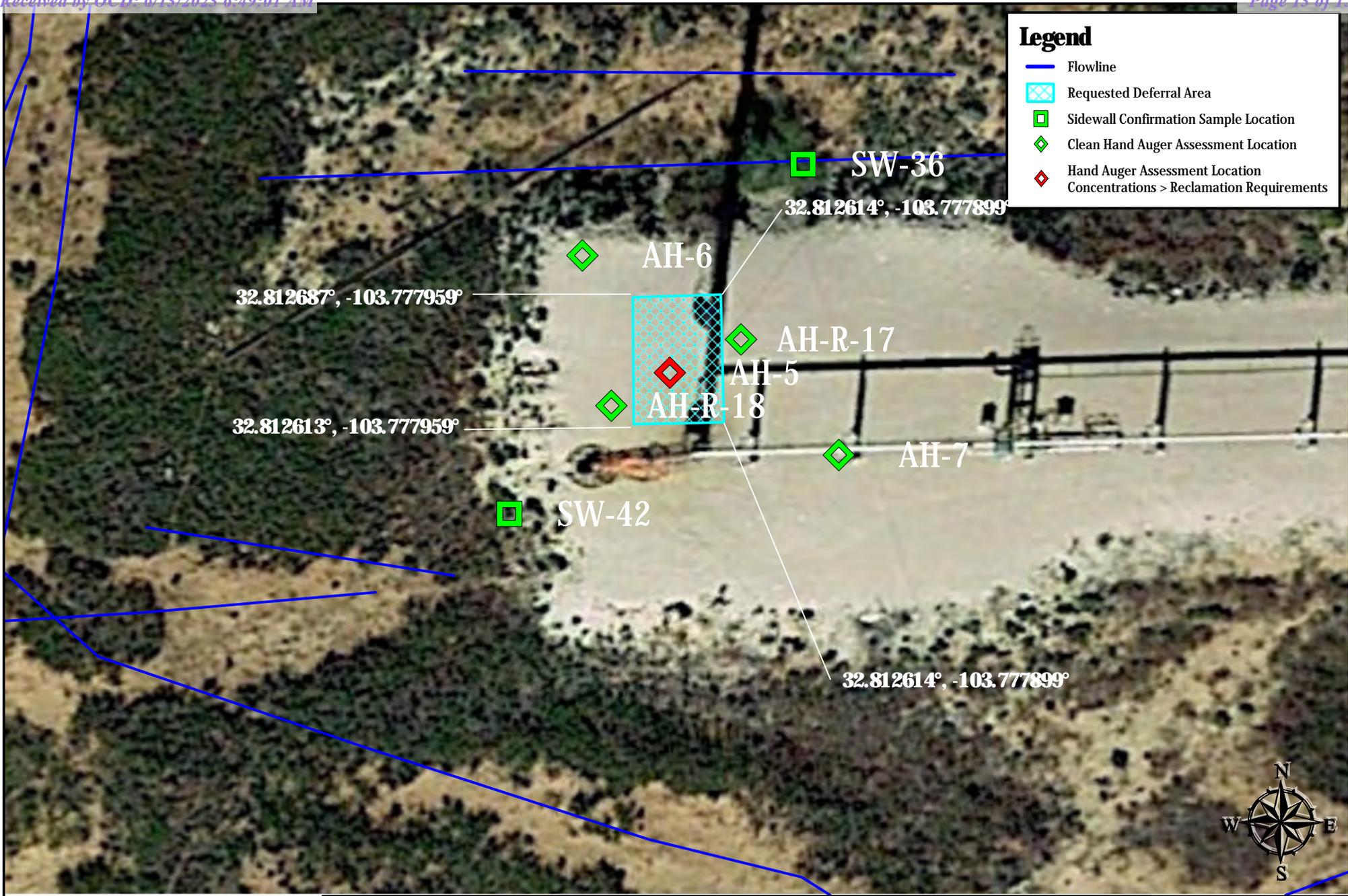
MAVERICK PERMIAN, LLC

NAPP2131935400
32.812345°, -103.777239° and 32.812600°, -103.777909
LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
REMEDATION AND CONFIRMATION SAMPLING LOCATIONS**

PROJECT NO: 212C-MD-03071
DATE: 06/01/2023
DESIGNED BY: CHT

**Figure
5**



Tt TETRA TECH

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC
NAPP2131935400
32.812345°, -103.777239° and 32.812600°, -103.777909
LEA COUNTY, NEW MEXICO

**MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
DEFERRAL REQUEST LOCATION**

PROJECT NO: 212C-MD-03071
DATE: 06/02/2023
DESIGNED BY: CHT

**Figure
6**

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

TABLES

TABLE 1
 SUMMARY OF SOIL ANALYTICAL RESULTS
 SHALLOW ASSESSMENT SAMPLING - NAPP2131935400
 MAVERICK PERMIAN, LLC
 MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
 LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²										TPH ³						
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
Reclamation Requirements (19.15.29.13 NMAC)			600		10								50						100		
AH-1	3/1/2022	0.0 - 1.0	64		< 0.200		2.28		10.8		22		35.1		477		2,420		442		3,339
	3/1/2022	2.0 - 3.0	64		< 0.050		0.195		0.772		1.4		2.37		136		1,490		345		1,971
	3/1/2022	3.0 - 4.0	96		< 0.050		< 0.050		0.09		0.199		< 0.300		16		260		30		305
AH-2	2/28/2022	0.0 - 1.0	48		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-3	2/28/2022	0.0 - 1.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		47		< 10.0		47
AH-4	2/28/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-5	3/1/2022	0.0 - 1.0	608		< 0.050		< 0.050		0.775		3.03		3.78		219		5,020		2,420		7,659
	3/1/2022	2.0 - 3.0	48		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		368		311		679
	3/1/2022	3.0 - 4.0	80		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		61		22.3		83.3
AH-6	2/28/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-7	2/28/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	64		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-8	2/28/2022	0.0 - 1.0	1,820		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	2/28/2022	1.0 - 2.0	176		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-9	3/1/2022	0.0 - 1.0	1,390		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		674		323		997
	3/1/2022	2.0 - 3.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		13.6		< 10.0		13.6
	3/1/2022	3.0 - 4.0	1,180		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-10	3/1/2022	0.0 - 1.0	336		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-11	3/1/2022	0.0 - 1.0	304		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-1	3/2/2022	0.5 - 1.5	2,720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		14.7		215		30.9		261
	3/2/2022	2.0 - 3.0	2,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		-
	3/2/2022	3.0 - 4.0	3,280		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		24.1		< 10.0		24.1
AH-T-2	3/3/2022	0.0 - 1.0	2,120		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	2.0 - 3.0	2,400		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	3.0 - 4.0	3,160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-3	3/2/2022	0.5 - 1.5	1,980		< 0.050		< 0.050		0.114		< 0.150		< 0.300		20.5		158		18.4		197
	3/2/2022	2.0 - 3.0	2,800		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		107		< 10.0		107
	3/2/2022	3.0 - 4.0	544		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		11.6		118		14.7		144
AH-T-4	3/2/2022	0.5 - 1.5	2,960		< 0.050		1.42		5.65		2.98		10		168		1320		616		2,104
	3/2/2022	2.0 - 3.0	368		< 0.050		< 0.050		0.168		< 0.150		0.311		11.8		262		112		386
	3/2/2022	3.0 - 4.0	320		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		51.2		13.7		64.9

TABLE 1
 SUMMARY OF SOIL ANALYTICAL RESULTS
 SHALLOW ASSESSMENT SAMPLING - NAPP2131935400
 MAVERICK PERMIAN, LLC
 MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
 LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
AH-T-5	3/3/2022	0.5 - 1.5	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	2.0 - 3.0	48		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		404		202		606
	3/3/2022	3.0 - 4.0	80		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		357		1640		219		2216
AH-T-6	3/3/2022	0.5 - 1.5	2,760		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		262		175		437
	3/3/2022	2.0 - 3.0	2,880		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	3.0 - 4.0	6,160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-7	3/2/2022	0.5 - 1.5	624		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		131		104		235
	3/2/2022	2.0 - 3.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		11.6		11.6
	3/2/2022	3.0 - 4.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-8	3/1/2022	0.0 - 1.0	288		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		26.8		< 10.0		26.8
	3/1/2022	1.0 - 2.0	48		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-9	3/1/2022	0.0 - 1.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-10	3/2/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/2/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-11	3/1/2022	0.0 - 1.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		116		139		255
	3/1/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		117		162		279
AH-T-12	3/2/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/2/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-13	3/1/2022	0.0 - 1.0	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-14	3/1/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	<16.0		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-15	3/2/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/2/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-16	3/9/2022	0.0 - 1.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/9/2022	1.0 - 2.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-R-17	5/16/2023	0.0 - 1.0	240		NA		NA		NA		NA		NA		< 10.0		61.4		11.8		73.2
	5/16/2023	2.0 - 3.0	64		NA		NA		NA		NA		NA		< 10.0		25.4		13.3		38.7
	5/16/2023	3.0 - 4.0	96		NA		NA		NA		NA		NA		< 10.0		< 10.0		< 10.0		< 30
AH-R-18	5/16/2023	0.0 - 1.0	560		NA		NA		NA		NA		NA		< 10.0		20.9		40.7		61.6
	5/16/2023	2.0 - 3.0	96		NA		NA		NA		NA		NA		< 10.0		17.6		16.8		34.4
	5/16/2023	3.0 - 4.0	80		NA		NA		NA		NA		NA		< 10.0		13.2		< 10.0		13.2
AH-22-1	3/1/2022	0.0 - 1.0	128		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	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	0.0 - 1.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	16		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30

TABLE 1
 SUMMARY OF SOIL ANALYTICAL RESULTS
 SHALLOW ASSESSMENT SAMPLING - NAPP2131935400
 MAVERICK PERMIAN, LLC
 MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
 LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
AH-22-3	3/1/2022	0.0 - 1.0	832		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/1/2022	1.0 - 2.0	256		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-22-4	3/3/2022	0.5 - 1.5	64		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	2.0 - 3.0	80		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	3.0 - 4.0	1,720		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
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		< 30
	3/3/2022	2.0 - 3.0	64		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	3.0 - 4.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30

NOTES:

bgs: Below ground surface	GRO: Gasoline Range Organics	1: Method SM4500Cl-B	Bold and highlighted values indicate exceedance of Reclamation Requirements.
mg/kg: Milligrams per kilogram	DRO: Diesel Range Organics	2: Method 8021B	
TPH: Total Petroleum Hydrocarbon	ORO: Oil Range Organics	3: Method 8015M	

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
DEEP ASSESSMENT SAMPLING - NAPP2131935400
MAVERICK PERMIAN, LLC
MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
RRALs (Table I 19.15.29.12 NMAC)			10,000		10						50								2,500		
AH-1	3/1/2022	5.0 - 6.0	192		< 0.050		< 0.050		0.069		0.228		< 0.300		23.2		357		49.7		430
	3/1/2022	7.0 - 8.0	208		< 0.050		< 0.050		0.19		0.638		0.828		43.7		502		85.7		631
	3/9/2022	8.0 - 9.0	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/9/2022	11.0 - 12.0	544		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-9	3/2/2022	5.0 - 6.0	2,280		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		24.7		< 10.0		24.7
	3/2/2022	7.0 - 8.0	112		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-1	3/2/2022	5.0 - 6.0	4,160		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		56.5		< 10.0		56.5
	3/9/2022	7.0 - 8.0	7,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/9/2022	9.0 - 10.0	5,360		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-2	3/3/2022	5.0 - 6.0	2,680		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	7.0 - 8.0	4,960		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-3	3/2/2022	5.0 - 6.0	464		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		21.9		< 10.0		21.9
AH-T-4	3/2/2022	5.0 - 6.0	1,860		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		30.9		< 10.0		30.9
AH-T-5	3/9/2022	5.0 - 6.0	64		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/9/2022	7.0 - 8.0	48		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-6	3/9/2022	5.0 - 6.0	4,080		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		26.4		< 10.0		26.4
	3/9/2022	7.0 - 8.0	2,140		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-T-7	3/2/2022	5.0 - 6.0	80		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-22-4	3/3/2022	5.0 - 6.0	352		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
AH-22-5	3/3/2022	5.0 - 6.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30
	3/3/2022	7.0 - 8.0	32		< 0.050		< 0.050		< 0.050		< 0.150		< 0.300		< 10.0		< 10.0		< 10.0		< 30

NOTES:

bgs: Below ground surface
 TPH: Total Petroleum hydrocarbons
 GRO: Gasoline Range Organics
 DRO: Diesel Range Organics
 ORO: Oil Range Organics

1: Method SM4500Cl-B
 2: Method 8021B
 3: Method 8015M

Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.

TABLE 3
 SUMMARY OF SOIL ANALYTICAL RESULTS
 SHALLOW CONFIRMATION SAMPLING - NAPP2131935400
 MAVERICK PERMIAN, LLC
 MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
 LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
Reclamation Requirements (19.15.29.13 NMAC)			600		10								50						100		
FS-6	5/5/2023	2.0 - 2.5	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-15	5/9/2023	2.0 - 2.5	128.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 1	5/5/2023	0.5 - 3.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 2	5/5/2023	0.5 - 3.5	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 3	5/5/2023	0.5 - 3.5	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 4	5/5/2023	0.5 - 3.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 5	5/5/2023	0.5 - 1.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 6	5/5/2023	0.5 - 1.5	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 7	5/5/2023	0.5 - 3.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 8	5/5/2023	0.5 - 3.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 9	5/5/2023	0.5 - 3.5	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 10	5/5/2023	0.5 - 3.5	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 11	5/5/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 12	5/5/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 13	5/5/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 14	5/5/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 15	5/5/2023	0.5 - 3.5	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 16	5/8/2023	0.5 - 3.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 17	5/8/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 18	5/8/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 19	5/8/2023	0.5 - 3.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 20	5/8/2023	0.5 - 3.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 21	5/8/2023	0.5 - 3.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 22	5/9/2023	0.5 - 3.5	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 23	5/9/2023	0.5 - 3.5	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 24	5/9/2023	0.5 - 3.5	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 25	5/9/2023	0.5 - 3.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 26	5/9/2023	0.5 - 3.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 27	5/9/2023	0.5 - 3.5	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 28	5/9/2023	0.5 - 1.5	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 29	5/9/2023	0.5 - 3.5	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 30	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 31	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 32	5/10/2023	0.5 - 3.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 33	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 34	5/10/2023	0.5 - 3.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		37.5		26.6		64.1

TABLE 3
 SUMMARY OF SOIL ANALYTICAL RESULTS
 SHALLOW CONFIRMATION SAMPLING - NAPP2131935400
 MAVERICK PERMIAN, LLC
 MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
 LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
Reclamation Requirements (19.15.29.13 NMAC)			600		10							50							100		
SW - 35	5/10/2023	0.5 - 3.5	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 36	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 37	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 38	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		65.3		14.3		79.6
SW - 39	5/10/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 40	5/10/2023	0.5 - 3.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 41	5/11/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 42	5/11/2023	0.5 - 3.5	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 43	5/11/2023	0.5 - 3.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 44	5/11/2023	0.5 - 3.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 45	5/11/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 46	5/11/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 47	5/11/2023	0.5 - 3.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 48	5/11/2023	0.5 - 3.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 49	5/11/2023	0.5 - 3.5	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 50	5/11/2023	0.5 - 3.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 51	5/11/2023	0.5 - 3.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 52	5/11/2023	0.5 - 3.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
SW - 53	5/11/2023	0.5 - 3.5	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0

NOTES:

bgs: Below ground surface	GRO: Gasoline Range Organics	1: Method SM4500Cl-B	Bold and highlighted values indicate exceedance of Reclamation Requirements.
mg/kg: Milligrams per kilogram	DRO: Diesel Range Organics	2: Method 8021B	
TPH: Total Petroleum Hydrocarbon	ORO: Oil Range Organics	3: Method 8015M	

TABLE 4
SUMMARY OF SOIL ANALYTICAL RESULTS
DEEP CONFIRMATION SAMPLING - NAPP2131935400
MAVERICK PERMIAN, LLC
MCA BATTERY 2 TRUNKLINE AND FLARE STACK RELEASES
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth feet bgs	Chloride ¹ mg/kg Q		BTEX ²								TPH ³								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C ₆ - C ₁₀		DRO > C ₁₀ - C ₂₈		EXT DRO > C ₂₈ - C ₃₆		Total TPH (GRO+DRO+EXT DRO)
					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
RRALs (Table I 19.15.29.12 NMAC)			10,000		10						50								2,500		
FS-1	5/5/2023	4.0 - 4.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-2	5/5/2023	4.0 - 4.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-3	5/5/2023	4.0 - 4.5	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-4	5/5/2023	4.0 - 4.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-5	5/5/2023	6.0 - 6.5	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-7	5/5/2023	4.0 - 4.5	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-8	5/5/2023	4.0 - 4.5	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-9	5/5/2023	4.0 - 4.5	4,040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-10	5/5/2023	4.0 - 4.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-11	5/8/2023	4.0 - 4.5	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-12	5/8/2023	4.0 - 4.5	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-13	5/8/2023	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-14	5/9/2023	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-16	5/9/2023	4.0 - 4.5	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-17	5/10/2023	4.0 - 4.5	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-18	5/10/2023	4.0 - 4.5	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-19	5/10/2023	4.0 - 4.5	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-20	5/10/2023	4.0 - 4.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-21	5/10/2023	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-22	5/11/2021	4.0 - 4.5	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-23	5/11/2021	4.0 - 4.5	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-24	5/11/2021	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0
FS-25	5/11/2021	4.0 - 4.5	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<30.0

NOTES:

bgs: Below ground surface GRO: Gasoline Range Organics 1: Method SM4500Cl-B
 mg/kg: milligrams per kilogram DRO: Diesel Range Organics 2: Method 8021B
 TPH: Total Petroleum hydrocarbons ORO: Oil Range Organics 3: Method 8015M

Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

ATTACHMENT 1: C-141 FORM

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

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

Cause of Release

State of New Mexico
Oil Conservation Division

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input 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 _____ Title: _____ Signature: <u>Patricia Espinoza</u> _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	NAPP2131935400
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

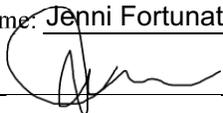
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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

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Incident ID	NAPP2131935400
District RP	
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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: 04/26/22
email: jenni.fortunato@cop.com Telephone: 832-486-2477

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2131935400
District RP	
Facility ID	
Application ID	

Remediation Plan

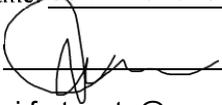
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Jenni Fortunato Title: Program Manager, Remediation
 Signature:  Date: 04/26/22
 email: jenni.fortunato@cop.com Telephone: 8324862477

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 09/13/2023

Incident ID	
District RP	
Facility ID	
Application ID	

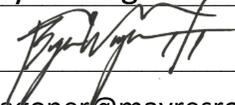
Closure

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: Bryce Wagoner Title: Permian HSE Specialist
 Signature:  Date: 06/12/2023
 email: Bryce.Wagoner@mavresrouces.com Telephone: 928-241-1862

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

ATTACHMENT 2: 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 10175		RA	LE	2	1	28	17S	32E		614814	3631005*	<input type="checkbox"/>	371	158	
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	<input type="checkbox"/>	405	120	81 39
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	<input type="checkbox"/>	422	400	
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	<input type="checkbox"/>	471	100	
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	<input type="checkbox"/>	481	100	
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	<input type="checkbox"/>	513	100	
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	<input type="checkbox"/>	668	105	92 13
RA 12020 POD3		RA	LE	2	1	2	28	17S	32E	615152	3631019	<input type="checkbox"/>	693	112	83 29

Average Depth to Water: **85 feet**
 Minimum Depth: **81 feet**
 Maximum Depth: **92 feet**

Record Count: 8

UTM NAD83 Radius Search (in meters):

Easting (X): 614470

Northing (Y): 3631145

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 3:32 PM

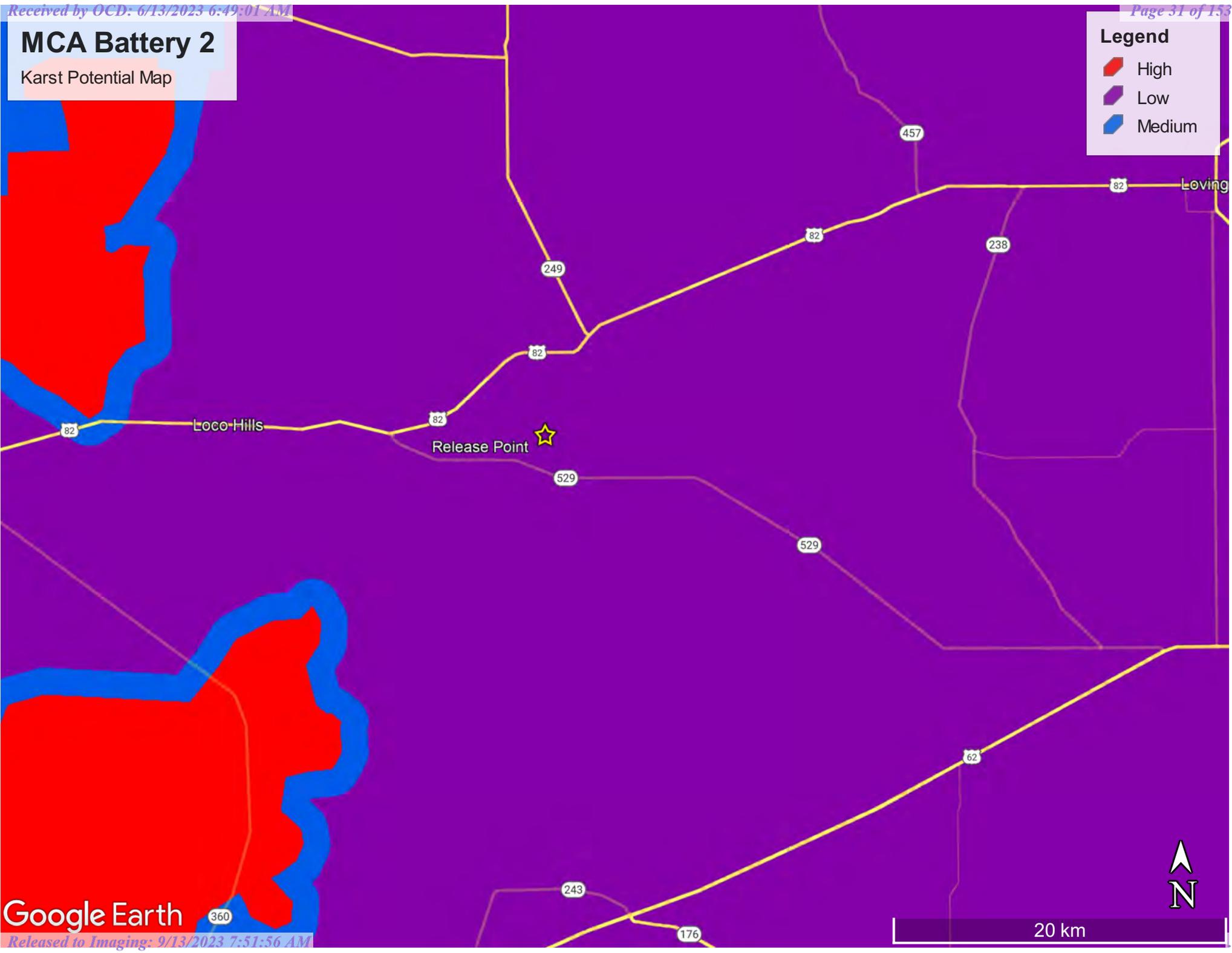
WATER COLUMN/ AVERAGE DEPTH TO WATER

MCA Battery 2

Karst Potential Map

Legend

- High
- Low
- Medium

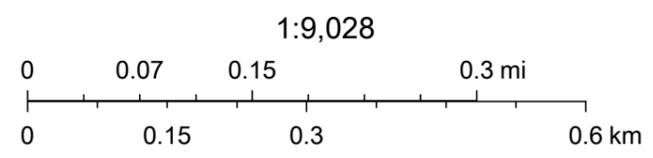


OCD Water Bodies Map



2/16/2022, 4:28:13 PM

-  Override 1
-  OCD District Offices
-  PLJV Probable Playas
-  OSE Water-bodies
-  OSE Streams



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

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

ATTACHMENT 3: LABORATORY ANALYTICAL DATA



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

May 08, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 05/05/23 16:04.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 1 (H232252-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/08/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/08/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/08/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 2 (H232252-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 3 (H232252-03)

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	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 4 (H232252-04)

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	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 5 (H232252-05)

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	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 6 (H232252-06)

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	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 7 (H232252-07)

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	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 8 (H232252-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 9 (H232252-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	0.421	
Toluene*	<0.050	0.050	05/05/2023	ND	2.22	111	2.00	1.10	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.17	108	2.00	0.706	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.58	110	6.00	0.711	
Total BTEX	<0.300	0.300	05/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4040	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 10 (H232252-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 1 (H232252-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	172	86.1	200	2.11	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	191	95.6	200	5.49	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 2 (H232252-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 3 (H232252-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 4 (H232252-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21		
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25		
Total BTEX	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/08/2023	ND	448	112	400	3.64		

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	05/06/2023	ND	187	93.7	200	3.01		
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35		
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND						

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 5 (H232252-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 6 (H232252-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 7 (H232252-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/08/2023	ND	448	112	400	3.64	

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	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 8 (H232252-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	05/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 9 (H232252-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 10 (H232252-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 11 (H232252-21)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21		
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25		
Total BTEX	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01		
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35		
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND						

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 12 (H232252-22)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21		
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25		
Total BTEX	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01		
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35		
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 13 (H232252-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 14 (H232252-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25	
Total BTEX	<0.300	0.300	05/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/08/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01	
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35	
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/05/2023	Sampling Date:	05/05/2023
Reported:	05/08/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	** (See Notes)
Project Number:	212C - MD - 03071	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 15 (H232252-25)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	6.21		
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.05		
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	1.96	98.1	2.00	6.46		
Total Xylenes*	<0.150	0.150	05/06/2023	ND	5.94	98.9	6.00	6.25		
Total BTEX	<0.300	0.300	05/06/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/08/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/06/2023	ND	187	93.7	200	3.01		
DRO >C10-C28*	<10.0	10.0	05/06/2023	ND	178	89.1	200	3.35		
EXT DRO >C28-C36	<10.0	10.0	05/06/2023	ND						

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

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

Company Name: Tetra Tech
Project Manager: Chuck Terhune
Address: Chuck Terhune
City: Houston, State: TX Zip: 77042
Phone #: 281-755-8965 Fax #:
Project #: 212C-MD-03071 Project Owner: Maverick
Project Name: MCA Battery 2 Trunkline
Project Location: Lea County, New Mexico
Sampler Name: Zeke Moreno

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME). Includes handwritten entries for samples FS-1 to FS-10 and analysis results for TPH, BTEX, and Chloride.

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.

Relinquished By: [Signature] Date: 5/5/23
Received By: [Signature] Date: 5/5/23
Observed Temp. °C: 10.9c
Corrected Temp. °C: 10.3c
Sample Condition: Cool Intact
Turnaround Time: Standard [X] Rush []
Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C

FORM-006 R 3.3 07/18/22

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tetra Tech</u>		BILL TO		ANALYSIS REQUEST									
Project Manager: <u>Chuck Terhune</u>		P.O. #:											
Address: <u>1500 City West Blvd Ste. 100</u>		Company:											
City: <u>Houston</u> State: <u>TX</u> Zip: <u>770421</u>		Attn:											
Phone #: <u>281-755-8965</u> Fax #:		Address:											
Project #: <u>212C-MD-03071</u> Project Owner: <u>Maverick</u>		City:											
Project Name: <u>MCA Battery 2 Trunkline</u>		State: Zip:											
Project Location: <u>Lea County, New Mexico</u>		Phone #:											
Sampler Name: <u>Zeke Moreno</u>		Fax #:											

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		TPH 8015M	BTEX 8021B	Chloride
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE			
<u>H232252</u>															
<u>11</u>	<u>SW-1</u>	<u>C</u>			<u>X</u>					<u>X</u>					
<u>12</u>	<u>SW-2</u>														
<u>13</u>	<u>SW-3</u>														
<u>14</u>	<u>SW-4</u>														
<u>15</u>	<u>SW-5</u>														
<u>16</u>	<u>SW-6</u>														
<u>17</u>	<u>SW-7</u>														
<u>18</u>	<u>SW-8</u>														
<u>19</u>	<u>SW-9</u>														
<u>20</u>	<u>SW-10</u>														

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Relinquished By: <u>[Signature]</u>	Date: <u>5/5/23</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: <u>11004</u>	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <u>10.92</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS:
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>10.3</u>	CHECKED BY: (Initials) <u>[Signature]</u>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
			Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor -0.6°C <u>24 HR</u>

FORM-006 R 3.3.07/16/22

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

May 10, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 15:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 11 (H232307-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 12 (H232307-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 13 (H232307-03)

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	05/10/2023	ND	2.15	108	2.00	10.6		
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6		
Total BTEX	<0.300	0.300	05/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/10/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 14 (H232307-04)

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	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 15 (H232307-05)

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	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 16 (H232307-06)

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	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 16 (H232307-07)

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	05/10/2023	ND	2.15	108	2.00	10.6		
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6		
Total BTEX	<0.300	0.300	05/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	05/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 17 (H232307-08)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6		
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6		
Total BTEX	<0.300	0.300	05/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 18 (H232307-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 19 (H232307-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 20 (H232307-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/08/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 21 (H232307-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 22 (H232307-13)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6		
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6		
Total BTEX	<0.300	0.300	05/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 23 (H232307-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30	
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10	
Total BTEX	<0.300	0.300	05/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 24 (H232307-15)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30		
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10		
Total BTEX	<0.300	0.300	05/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	05/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 25 (H232307-16)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30	
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10	
Total BTEX	<0.300	0.300	05/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 26 (H232307-17)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30	
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10	
Total BTEX	<0.300	0.300	05/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 27 (H232307-18)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30		
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32		
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81		
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10		
Total BTEX	<0.300	0.300	05/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/10/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332		
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74		
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND						

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 28 (H232307-19)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30	
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Analytical Results For:

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

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 29 (H232307-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.10	105	2.00	4.30	
Toluene*	<0.050	0.050	05/10/2023	ND	2.16	108	2.00	5.32	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.07	103	2.00	4.81	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.50	108	6.00	6.10	
Total BTEX	<0.300	0.300	05/10/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/10/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	160	79.8	200	0.332	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	177	88.6	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Chuck Terhune Address: Chuck.Terhune@tetratech.com City: Houston State: TX Zip: 77042 Phone #: 281-755-8965 Fax #: Project #: 212C-MD-03071 Project Owner: Maverick Project Name: MCA Battery 2 Trunkline Project Location: Lea County, New Mexico Sampler Name: Celey M.		BILL TO P.O. #: Company: Tetra Tech Attn: Chuck Terhune Address: EMAIL City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST									
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FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		TPH 8015M	BTEX 8021B	CHLORIDE
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE			
H232307		1	FS-11	C			X				X	5/8/23	900	X	X	X	
		2	FS-12										905				
		3	FS-13										910				
		4	FS-14									5/9/23	930				
		5	FS-15										935				
		6	FS-16										940				
		7	GW-16									5/8/23	915				
		8	SW-17										920				
		9	SW-18										925				
		10	SW-19										930				

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Relinquished By: Date: 5/9/23 Time: 1555	Received By: Date: Time:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 5.1 Corrected Temp. °C 4.5	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24hr	Thermometer ID #113 Correction Factor -0.6°C	Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech		BILL TO				ANALYSIS REQUEST																					
Project Manager: Chuck Terhune		P.O. #:				<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;"> TPH 8015M BTEX 8021B CHLORIDE </div>																					
Address: Chuck.Terhune@Tetrattech.com		Company: Tetra Tech																									
City: Houston State: TX Zip: 77042		Attn: Chuck Terhune																									
Phone #: 281-755-8965 Fax #:		Address: EMAIL																									
Project #: 212C-MD-03071 Project Owner: Maverick		City:																									
Project Name: MCA Battery 2 Trunkline		State: Zip:																									
Project Location: Lea County, New Mexico		Phone #:																									
Sampler Name: ZnMg		Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																			
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
H232307																											
11	SW-20	C	1			X					X		5/8/23	940	X	X	X										
12	SW-21												"	945													
13	SW-22												5/9/23	950													
14	SW-23													955													
15	SW-24													1030													
16	SW-25													1035													
17	SW-26													1040													
18	SW-27													1310													
19	SW-28													1315													
20	SW-29													1330													

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Relinquished By:	Date: 5/9/23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Time: 1555			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C 5.1	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 24hrs
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.5	CHECKED BY: (Initials) go	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor -0.6°C

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



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

May 12, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 05/11/23 15:52.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 22 (H232366-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	164	82.0	200	0.719	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	168	83.8	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 23 (H232366-02)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	164	82.0	200	0.719	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	168	83.8	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 24 (H232366-03)

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	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	164	82.0	200	0.719	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	168	83.8	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: FS - 25 (H232366-04)

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	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	164	82.0	200	0.719	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	168	83.8	200	2.41	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 41 (H232366-05)

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	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 42 (H232366-06)

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	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/11/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/11/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/11/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 43 (H232366-07)

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	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 44 (H232366-08)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/12/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 45 (H232366-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 46 (H232366-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 47 (H232366-11)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 48 (H232366-12)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2023	ND	1.94	96.8	2.00	7.46	
Toluene*	<0.050	0.050	05/11/2023	ND	1.99	99.7	2.00	6.86	
Ethylbenzene*	<0.050	0.050	05/11/2023	ND	1.92	95.9	2.00	7.85	
Total Xylenes*	<0.150	0.150	05/11/2023	ND	5.95	99.2	6.00	8.16	
Total BTEX	<0.300	0.300	05/11/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 49 (H232366-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 50 (H232366-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 51 (H232366-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34	
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15	
Total BTEX	<0.300	0.300	05/12/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/12/2023	ND	432	108	400	3.64	

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	05/12/2023	ND	195	97.4	200	3.47	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 52 (H232366-16)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/12/2023	ND	432	108	400	3.64		

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	05/12/2023	ND	195	97.4	200	3.47		
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND						

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/11/2023	Sampling Date:	05/11/2023
Reported:	05/12/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Shari Cisneros
Project Location:	MAVERICK - LEA CO NM		

Sample ID: SW - 53 (H232366-17)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/12/2023	ND	2.27	114	2.00	4.34		
Toluene*	<0.050	0.050	05/12/2023	ND	2.25	113	2.00	4.03		
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.22	111	2.00	4.08		
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.76	113	6.00	5.15		
Total BTEX	<0.300	0.300	05/12/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/12/2023	ND	432	108	400	3.64		

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	05/12/2023	ND	195	97.4	200	3.47		
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	192	96.2	200	10.8		
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

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

Company Name: Tetra Tech		BILL TO		ANALYSIS REQUEST												
Project Manager: Chuck Terhune		P.O. #:														
Address: Chuck.Terhune@tetratech.com		Company: Tetra Tech														
City: Houston State: Zip: 77042		Attn: Chuck Terhune														
Phone #: 281-755-8965 Fax #:		Address: EMAIL														
Project #: 212C-MD-03071 Project Owner: Maverick		City:														
Project Name: MCA Battery 2 Trunkline		State: Zip:														
Project Location: Lea County, New Mexico		Phone #:														
Sampler Name: Z.M.		Fax #:														
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		TPH 8015M BTEX 8021B CHLORIDE					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	DATE	TIME
H23236	FS-22	C	1			X				X			X		5/11/23	400
	FS-23															405
	FS-24															910
	FS-25															1150
	SW-41															915
	SW-42															920
	SW-43															925
	SW-44															930
	SW-45													935		
	SW-46													940		

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Relinquished By:	Date: 5/11/23	Received By: Shawn Cisneros	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Time: 1552	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Time:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.9	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
	Corrected Temp. °C 3.3	CHECKED BY: (Initials) SC	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
FORM-006 R 3.3 07/18/22			Thermometer ID #113 Correction Factor -0.6°C 24HR
			<input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tetra Tech	BILL TO	ANALYSIS REQUEST										
Project Manager: Chuck Terhune		P.O. #:										
Address: Chuck.Terhune@tetratech.com		Company: Tetra Tech										
City: Houston State: TX Zip: 77042		Attn: Chuck Terhune										
Phone #: 281-755-8965 Fax #:		Address: EMAIL										
Project #: 212C-MD-03071 Project Owner: Maverick		City:										
Project Name: MCA Batterg 2 Trunkline		State: Zip:										
Project Location: Lea County, New Mexico		Phone #:										
Sampler Name: Z.M.	Fax #:											

FOR LAB USE ONLY		(GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		TPH 8015M	BTEX 8021B	CHLORIDE	
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :				DATE
H232366	SW-47	C			X				X		5/11/23	945	X	X	X
12	SW-48											1050			
13	SW-49											1055			
16	SW-50											1100			
17	SW-51											1105			
18	SW-52											1110			
19	SW-53											1115			

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Relinquished By: <i>[Signature]</i>	Date: 5/11/23	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Relinquished By:	Date:	Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.9 Corrected Temp. °C 3.3	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) DE
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Thermometer ID #113 Correction Factor -0.6°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Corrected Temp. °C

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

May 22, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA BATTERY 2 TRUNKLINE

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 16:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: AH-R-17 (0-1') (H232456-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	189	94.5	200	1.09	
DRO >C10-C28*	61.4	10.0	05/18/2023	ND	180	89.8	200	2.34	
EXT DRO >C28-C36	11.8	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134
 Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

Sample ID: AH-R-17 (2-3') (H232456-02)

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	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	165	82.4	200	1.77	
DRO >C10-C28*	25.4	10.0	05/17/2023	ND	179	89.3	200	3.85	
EXT DRO >C28-C36	13.3	10.0	05/17/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134
 Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: AH-R-17 (3-4') (H232456-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	165	82.4	200	1.77	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	179	89.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	88.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	99.8 %	49.1-148							

Sample ID: AH-R-18 (0-1') (H232456-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	165	82.4	200	1.77	
DRO >C10-C28*	20.9	10.0	05/17/2023	ND	179	89.3	200	3.85	
EXT DRO >C28-C36	40.7	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	79.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	82.1 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/16/2023	Sampling Date:	05/16/2023
Reported:	05/22/2023	Sampling Type:	Soil
Project Name:	MCA BATTERY 2 TRUNKLINE	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03071	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA CO NM		

Sample ID: AH-R-18 (2-3') (H232456-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	165	82.4	200	1.77	
DRO >C10-C28*	17.6	10.0	05/17/2023	ND	179	89.3	200	3.85	
EXT DRO >C28-C36	16.8	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	89.6 %	48.2-134							
Surrogate: 1-Chlorooctadecane	104 %	49.1-148							

Sample ID: AH-R-18 (3-4') (H232456-06)

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	05/17/2023	ND	416	104	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2023	ND	165	82.4	200	1.77	
DRO >C10-C28*	13.2	10.0	05/18/2023	ND	179	89.3	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					
Surrogate: 1-Chlorooctane	93.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	111 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 582-4559
Fax (432) 582-3946

Client Name: **Maverick** Site Manager: **Chuck Terhune** (281) 755-8965
Project Name: **MCA Battery 2 Truckline** chuck.terhune@tetratech.com

Project Location: **Lea County, NM** Project #: **212C-MD-03071**
Invoice to: chuck.terhune@tetratech.com

Receiving Laboratory: **Cardinal Labs** Sampler Signature: **Miguel A. Flores**

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃				ICE
1	AH-R-17 (0-1')	5/16/2023		X			X			BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	
2	AH-R-17 (2-3')	5/16/2023		X			X				
3	AH-R-17 (3-4')	5/16/2023		X			X				
4	AH-R-18 (0-1')	5/16/2023		X			X				
5	AH-R-18 (2-3')	5/16/2023		X			X				
6	AH-R-18 (3-4')	5/16/2023		X			X				

Relinquished by: **Shayal Agar** Date: **5/16/23** Time: **12:05** Received by: **Miguel A. Flores** Date: **5-16-23** Time: **12:05**

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

ORIGINAL COPY

LAB USE ONLY

Sample Temperature: **20.0°C**

REMARKS: **Standard**

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

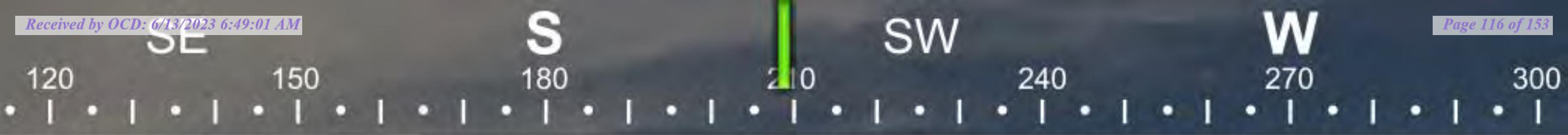
Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

ATTACHMENT 4: PHOTOGRAPHIC DOCUMENTATION



☀ 209°SW (T) LAT: 32.812413 LON: -103.777094 ±4m ▲ 1220m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:07:01 MDT

NE

E

SE

S

30

60

90

120

150

180

☉ 113°SE (T) LAT: 32.812472 LON: -103.777316 ±4m ▲ 1221m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:07:29 MDT

NE

E

SE

S

30

60

90

120

150

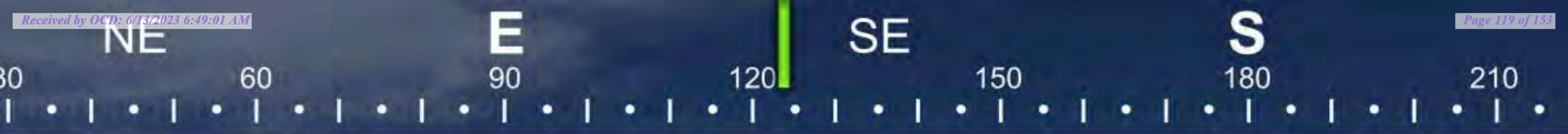
180

☀ 113°SE (T) LAT: 32.812473 LON: -103.777307 ±4m ▲ 1221m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:07:33 MDT



LAT: 32.814484 LON: -103.783383 ±13ft



Remediation
Tetra Tech

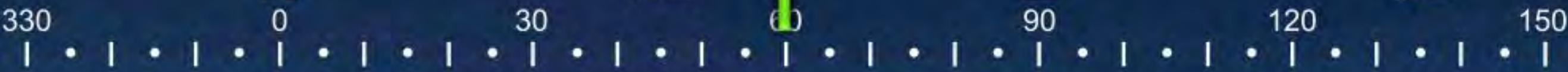
MCA 94
27 Apr 2023, 17:26:21

N

NE

E

SE



LAT: 32.812738 LON: -103.778121 ±9ft



Remediation
Tetra Tech

MCA Battery 2 Trunkline
11 May 2023, 16:14:32



LAT: 32.812819 LON: -103.778095 ±13ft



Remediation
Tetra Tech

MCA Battery 2 Trunkline
11 May 2023, 16:14:40

NE

E

SE

S

30

60

90

120

150

180

LAT: 32.812869 LON: -103.777978 ±13ft



Remediation
Tetra Tech

MCA Battery 2 Trunkline
11 May 2023, 16:14:52

SE

S

SW

W

120

150

180

210

240

270

LAT: 32.812225 LON: -103.777314 ±9ft



Remediation
Tetra Tech

MCA Battery 2 Trunkline
12 May 2023, 11:22:58

N

NE

E

SE

330

0

30

60

90

120

150

LAT: 32.812180 LON: -103.777401 ±13ft



Remediation
Tetra Tech

MCA Battery 2 Trunkline
12 May 2023, 11:23:12



LAT: 32.811865 LON: -103.777714 ±13ft



Remediation
Tetra Tech

MCA Battery 2
03 May 2023, 17:25:58

SW

W

NW

N

210

240

270

300

330

0

LAT: 32.811879 LON: -103.777746 ±13ft



Remediation
Tetra Tech

MCA Battery 2
03 May 2023, 17:26:36

N

NE

E

SE

330

0

30

60

90

120

150

LAT: 32.811874 LON: -103.777732 ±13ft



Remediation
Tetra Tech

MCA Battery 2

03 May 2023, 17:26:53



LAT: 32.811926 LON: -103.777588 ±13ft



Remediation
Tetra Tech

MCA Battery 2

03 May 2023, 17:27:29



LAT: 32.811988 LON: -103.777493 ±13ft



Remediation
Tetra Tech

MCA Battery 2
03 May 2023, 17:27:51

S

SW

W

NW

180

210

240

270

300

330

LAT: 32.812088 LON: -103.777404 ±13ft



Remediation
Tetra Tech

MCA Battery 2
03 May 2023, 17:28:40

NE

E

SE

S

30

60

90

120

150

180

LAT: 32.811953 LON: -103.778207 ±13ft



Remediation
Tetra Tech

MCA Battery 2
04 May 2023, 17:25:36

N

NE

E

SE

330

0

30

60

90

120

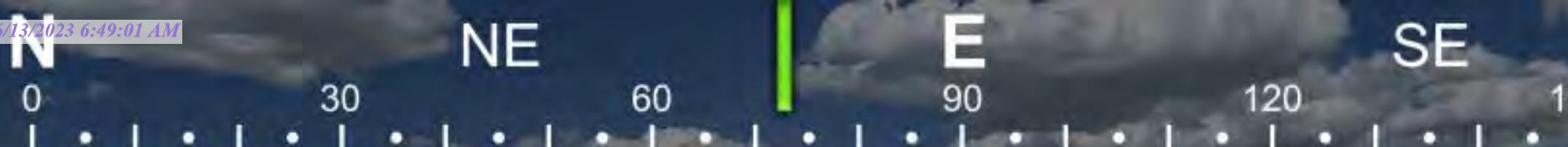
150

LAT: 32.811802 LON: -103.778185 ±13ft



Remediation
Tetra Tech

MCA Battery 2
04 May 2023, 17:26:10



LAT: 32.812102 LON: -103.777973 ±9ft



Remediation
Tetra Tech

MCA Battery 2
04 May 2023, 17:27:10



LAT: 32.812163 LON: -103.777578 ±13ft



Remediation
Tetra Tech

MCA Battery 2
04 May 2023, 17:27:41

S

SW

W

NW

180

210

240

270

300

330

LAT: 32.812223 LON: -103.777487 ±13ft



Remediation
Tetra Tech

MCA Battery 2
04 May 2023, 17:27:56

SE

S

SW

W

120

150

180

210

240

270

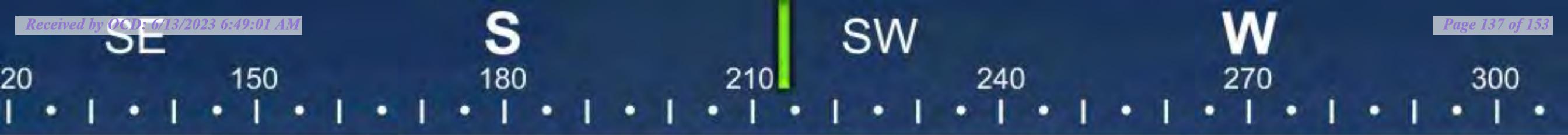
LAT: 32.812305 LON: -103.777515 ±13ft



Remediation
Tetra Tech

MCA Battery 2

04 May 2023, 17:28:09



LAT: 32.812283 LON: -103.777947 ±13ft



Remediation
Tetra Tech

MCA Battery 2
05 May 2023, 15:57:03



LAT: 32.812178 LON: -103.777928 ±13ft



Remediation
Tetra Tech

MCA Battery 2
05 May 2023, 15:57:25

SE

S

SW

W

120

150

180

210

240

270

LAT: 32.812311 LON: -103.777528 ±13ft



Remediation
Tetra Tech

MCA Battery 2

05 May 2023, 15:58:08



LAT: 32.812866 LON: -103.777732 ±13ft



Remediation
Tetra Tech

MCA Battery 2
09 May 2023, 16:36:21



LAT: 32.812909 LON: -103.777899 ±13ft



Remediation
Tetra Tech

MCA Battery 2
09 May 2023, 16:36:38

W

NW

N

NE

270

300

330

0

30

60

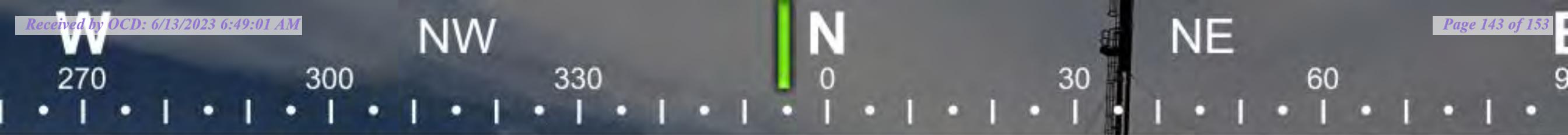
90

☀ 355°N (T) LAT: 32.812110 LON: -103.777165 ±4m ▲ 1220m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:08:16 MDT

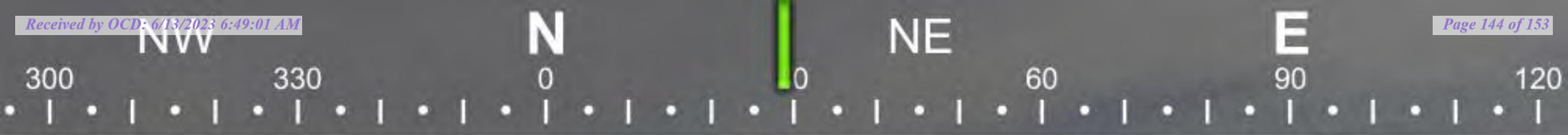


☀ 355°N (T) LAT: 32.812110 LON: -103.777164 ±4m ▲ 1219m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:08:20 MDT



☀ 29°NE (T) LAT: 32.812002 LON: -103.777432 ±4m ▲ 1219m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:08:49 MDT



☉ 275°W (T) LAT: 32.811887 LON: -103.777615 ±4m ▲ 1219m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:09:53 MDT

S

SW

W

NW

180

210

240

270

300

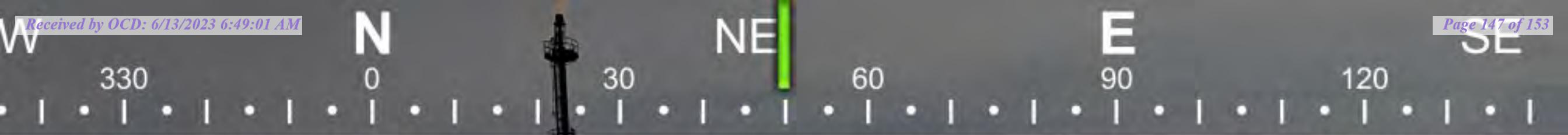
330

☉ 259°W (T) LAT: 32.811891 LON: -103.777977 ±4m ▲ 1218m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:10:37 MDT



☀ 50°NE (T) LAT: 32.811858 LON: -103.778642 ±4m ▲ 1217m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:13:09 MDT



☉ 50°NE (T) LAT: 32.811863 LON: -103.778639 ±4m ▲ 1216m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:13:13 MDT

NW

N

NE

E

300

330

0

30

60

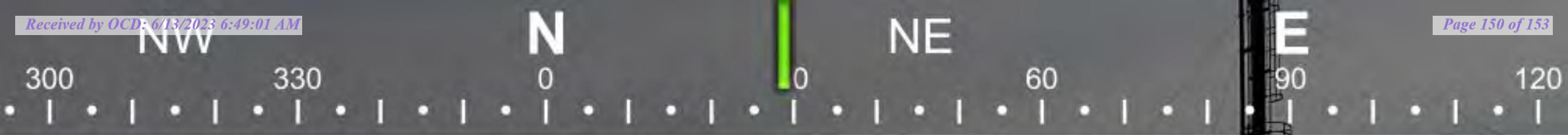
90

☉ 14°N (T) LAT: 32.812041 LON: -103.778445 ±4m ▲ 1217m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:13:38 MDT



☀ 29°NE (T) LAT: 32.812281 LON: -103.778437 ±4m ▲ 1218m



Site Remediation
Tetra Tech

Maverick - MCA Battery No.2
Jun 07 2023, 09:14:10 MDT

Remediation Report and Deferral Request
Maverick Permian, LLC
MCA Battery 2 Trunkline and Flare Stack Releases
Incident ID: nAPP2131935400

June 3, 2023

ATTACHMENT 5: NMSLO SEED MIXTURE DETAILS

NMSLO Seed Mix**Sandy (S)****SANDY (S) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sand bluestem	Elida, VNS, So.	2.0	F
Little bluestem	Cimarron, Pastura	3.0	F
Black grama	VNS, Southern	1.0	D
Sand dropseed	VNS, Southern	4.0	S
Plains bristlegrass	VNS, Southern	2.0	D
Forbs:			
Firewheel (Gaillardia)	VNS, Southern	1.0	D
Annual Sunflower	VNS, Southern	1.0	D
Shrubs:			
Fourwing Saltbush	VNS, Southern	1.0	F
Total PLS/acre		16.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



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 226719

CONDITIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 226719
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Deferral request is approved. Remediation Due date left open until the gas well is plugged & abandoned.	9/13/2023