



January 12, 2026

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

**Re: Remediation Report and Closure Request  
Maverick Permian, LLC  
MCA 2C Injection Header Release  
Unit Letter J, Section 28, Township 17 South, Range 32 East  
Lea County, New Mexico  
Incident ID nAPP2412141144**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by Maverick Permian, LLC (Maverick) to assess a release that occurred at the MCA 2C Injection Header, Unit Letter J, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The release occurred at coordinates 32.803757°, -103.769646° as shown in **Figure 1**.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report, the release was discovered on April 30, 2024. The release occurred from a damaged test separator due to vandalism, resulting in the release of approximately 4 barrels (bbls) of crude oil and 17 bbls of produced water onto the well pad and open pastureland. The initial response activities recovered 2 bbls of crude oil and 10 bbls of produced water. The rest were lost. The release notification was received by the New Mexico Oil Conservation District (NMOCD) on April 30, 2024, and subsequently assigned the release Incident Identification (ID) nAPP2412141144. The release extent is shown in **Figure 2**.

## SITE CHARACTERIZATION

### Receptors

Tetra Tech performed a site characterization for the release location. It identified that a freshwater emergent wetland is located between 1,000 ft -½ mile from the release location, and that a 100-year floodplain is located 4 miles away from the spill location to the northwest. It did not identify any watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, incorporated municipal boundaries, or subsurface mines within the distances specified in 19.15.29.11 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Mapper, the site is in an area of low karst potential, as shown in **Attachment 1**.

### Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as having Maljamar and Palmos fine sands, 0 to 3 percent slopes, which is classified as a complex with a published soil profile of fine sand from the surface to 24 inches below ground surface (bgs), Sandy clay loam from 24 to 50 inches bgs, and cemented material from 50 to 60 inches bgs. The USDA NCRS Soil Map and soil profile are provided in **Attachment 1**.

**Tetra Tech, Inc.**

1500 CityWest Boulevard, Suite 1000, Houston, Texas 77042

**Tel** +1.832.251.5160 | [tetrattech.com/oga](http://tetrattech.com/oga) | [tetrattech.com](http://tetrattech.com)

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Incident ID# nAPP2412141144

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## Depth to Groundwater

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, eight (8) water wells are within ½-mile of the site. Three (3) of these wells are within 1,000 feet of the release location; however, these are groundwater monitoring wells associated with the Maverick MCA 357 Groundwater Abatement site, which are constructed with 3-foot stickup completions, and the well annular spaces are sealed from the surface to the tops of the screened intervals. Groundwater in these wells has been measured as greater than 51 feet below ground surface. The MCA 357 Groundwater Abatement site well locations, 2024 groundwater gauging data, and monitoring well construction data are provided in **Attachment 1**.

## REGULATORY FRAMEWORK

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

Based on the site characterization, established depth to groundwater, and in accordance with Table 1 of 19.15.29.12 NMAC, the remediation RRALs for the Site are as follows:

### Closure Criteria for Soils Impacted by a Release

Constituent	Remediation RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (DRO+ORO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Additionally, in accordance with the New Mexico Oil Conservation District (NMOCD) guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 feet bgs) are as follows:

### Reclamation Requirements

Constituent	Remediation RRAL
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

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## INITIAL RELEASE RESPONSE

The release occurred from a failure in the steel flowline due to suspected internal/external corrosion. The release flowed into open pastureland, affecting an area of approximately 5,995 square feet. Site records show no fluids were recoverable during Maverick's initial response activities. The approximate release area is shown in **Figure 3**.

## REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced on July 19, 2024, and concluded on August 29, 2024. Maverick's subcontractor, SDR Enterprises (SDR), used heavy equipment to excavate impacted soil from the remediation area to a maximum depth of four (4) feet bgs. To avoid potential contact by heavy equipment with pressurized lines within the remediation area, heavy equipment was maintained at least 2 feet away from pressurized lines where hydro-excavation and hand-digging were employed.

SDR excavated 700 cubic yards of contaminated soil from an approximately 5,995-square-foot area and transported it to R360 for off-site disposal. Photographs of the final excavation are provided in **Attachment 2**.

### Confirmation Sampling Notification

On July 19, 2024, Tetra Tech notified the NMOCD of the anticipated initial confirmation sampling through the submission of a C-141N Sampling Notification submission in the NMOCD Permitting portal and provided subsequent C-141N Sampling Notification submissions through the NMOCD Permitting portal up to and including final confirmation sampling at the Site performed on August 16, 2024. Sampling notification was conducted in accordance with 19.15.29.12(D)(1)(a) NMAC and the Energy, Minerals and Natural Resources Department (EMNRD)

### Confirmation Sampling

Upon reaching the excavation's final lateral and vertical excavation extents, Tetra Tech collected 58 final confirmation samples, including 32 five-point composite floor samples and 26 five-point composite side wall samples from the excavated areas. The remediation excavation concluded as a 4-foot-deep excavation with a total area of 5,995 square feet and a sampling density of approximately one confirmation sample per 188 square feet.

Samples were submitted to Cardinal Laboratory in Hobbs, New Mexico, to analyze BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 CL-B. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride less than the Reclamation Requirements, demonstrating clean margins in the excavated areas. Confirmation sample laboratory analytical results screened against Reclamation Requirements are summarized in **Table 2**, and laboratory analytical data packages, including chain of custody documentation and remediation confirmation sampling, are included in **Attachment 3**. Confirmation sampling locations and excavation extents are shown in **Figure 4**.

### Excavation Backfill

On August 29, 2024, after receiving confirmation sample results, McNabb completed the backfilling of the excavated areas with 820 cubic yards of clean topsoil in pasture areas and 260 cubic yards of caliche on the facility pad.

Remediation Report and Closure Request  
MCA 2C Injection Header Release  
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## Reclamation and Revegetation

To restore the impacted surface areas to their condition before the release, the excavated areas in the pasture have been backfilled with clean topsoil, and excavations on the facility pad have been backfilled with caliche to restore the facility pad surface. The disturbed areas have been graded back to match the surrounding topography and the pre-existing conditions before contouring to provide erosion control and long-term stability, prevent water ponding, and preserve surface water flow patterns.

After restoring topography and contouring the disturbed areas, the disturbed pasture areas of the Site were seeded with New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture to aid in vegetation growth to complete reclamation in accordance with the Site soil profile detailed above in the Site Characterization Section. Seeding was broadcast and raked in per the specifications for broadcast application in pounds of pure live seed per acre according to the NMSLO Seed Mix Sandy (L) data sheet.

## CONCLUSION

Based on the confirmation sampling results, the impacted soil within the release footprint with concentrations greater than Reclamation Requirements has been removed and properly disposed of offsite, the excavated area has been backfilled with clean material, and the surface of the well pad has been restored; therefore, Site remediation and reclamation are complete. Revegetation will be monitored, and a Revegetation Report will be prepared and submitted to the NMOCD once revegetation requirements have been achieved at the Site. If you have any questions concerning the remediation activities for the Site, please contact Chris Straub by phone at (832) 251-5180 or by email at [chris.straub@tetrattech.com](mailto:chris.straub@tetrattech.com).

Sincerely,



Chris Straub  
Project Manager  
Tetra Tech, Inc.



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

cc: Bryce Wagoner, Maverick Permian, LLC  
New Mexico State Land Office



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## LIST OF ATTACHMENTS

### Figures

- Figure 1 – Site Location and Topographic Map
- Figure 2 – Approximate Release Extent and Site Assessment Map
- Figure 3 – Excavation Extents and Confirmation Sample Locations Map

### Tables

- Table 1 – Boring Location Coordinates – Initial Site Assessment
- Table 2 – Summary of Analytical Results – Initial Site Assessment Sampling
- Table 3 – Summary of Analytical Results – Confirmation Sampling

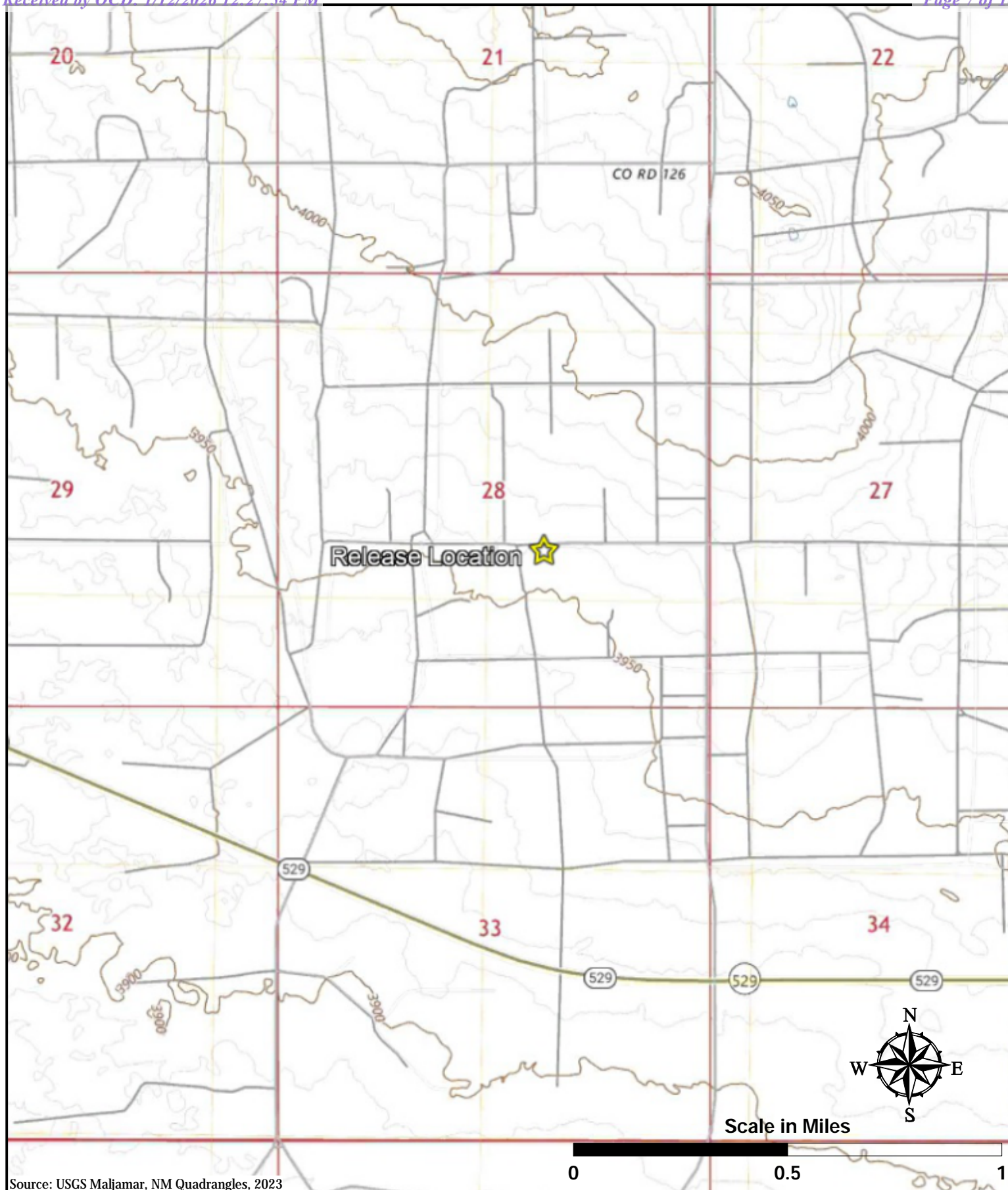
### Attachments

- Attachment 1 – Site Characterization Data
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Data
- Attachment 4 – Seed Mixture

Remediation Report and Closure Request  
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## FIGURES



Source: USGS Maljamar, NM Quadrangles, 2023

**TETRA TECH**

1500 CityWest Boulevard  
Suite 1000  
Houston, Texas 77042

**MAVERICK PERMIAN, LLC**

nAPP2412141144

32.803757°, -103.769646°

LEA COUNTY, NEW MEXICO

**MCA 2C INJECTION HEADER RELEASE  
SITE LOCATION & TOPOGRAPHIC MAP**

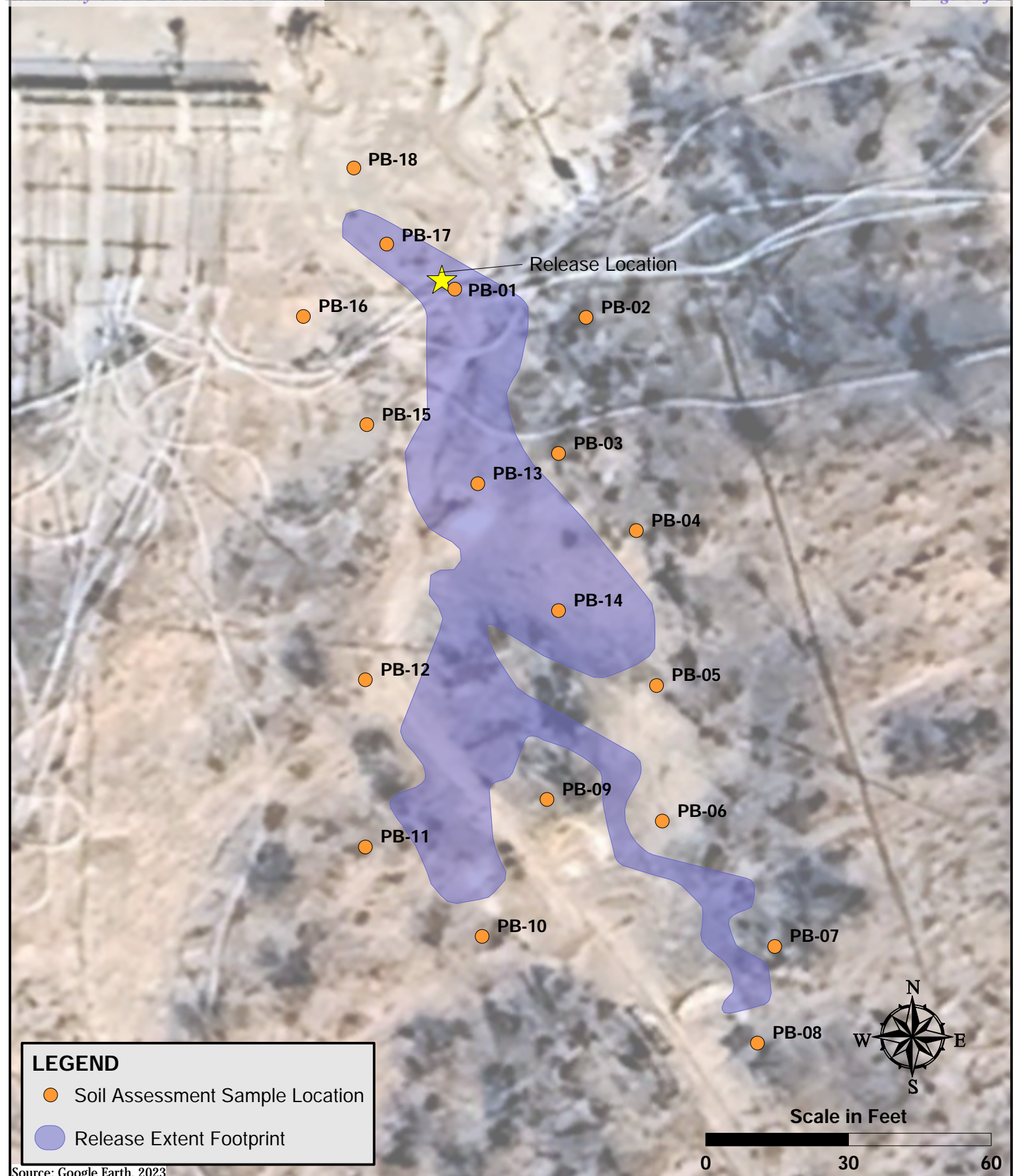
PROJECT NO: 212C-MD-03427

DATE: 12/18/2025

DESIGNED BY: CHT

**Figure  
1**



**TETRA TECH**

1500 CityWest Boulevard  
Suite 1000  
Houston, Texas 77042

**MAVERICK PERMIAN, LLC**

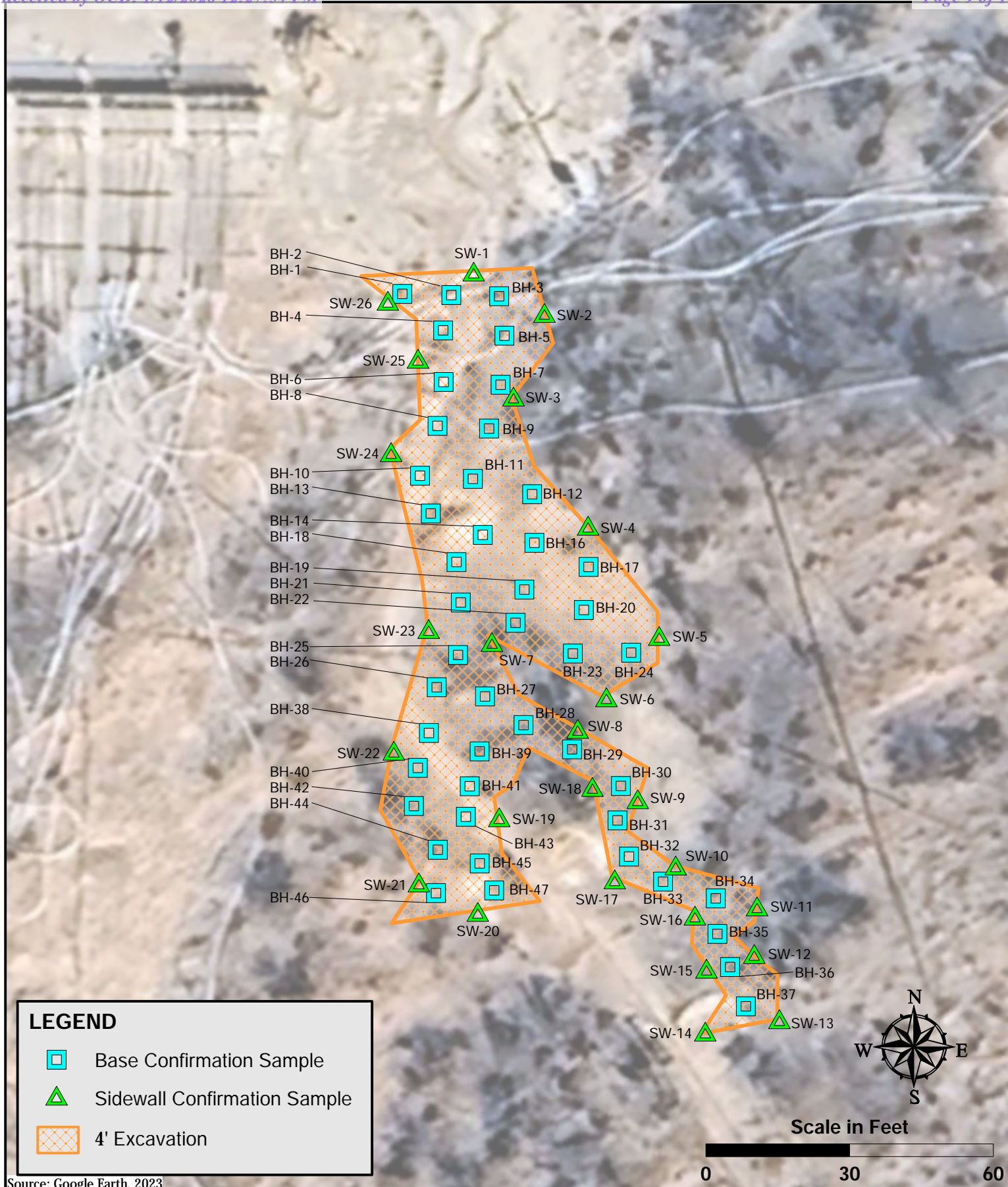
nAPP2412141144  
32.803757°, -103.769646°  
LEA COUNTY, NEW MEXICO

**MCA 2C INJECTION HEADER RELEASE  
RELEASE EXTENTS & SITE ASSESSMENT MAP**

PROJECT NO: 212C-MD-03427  
DATE: 12/3/2025  
DESIGNED BY: CHT

**Figure  
2**





Source: Google Earth, 2023

**TETRA TECH**

1500 CityWest Boulevard  
Suite 1000  
Houston, Texas 77042

**MAVERICK PERMIAN, LLC**

nAPP2412141144  
32.803757°, -103.769646°  
LEA COUNTY, NEW MEXICO

**MCA 2C INJECTION HEADER RELEASE  
REMEDATION EXTENTS & CONFIRMATION SAMPLING MAP**

PROJECT NO: 212C-MD-03427  
DATE: 12/3/2025  
DESIGNED BY: CHT

**Figure  
3**

Remediation Report and Closure Request  
MCA 2C Injection Header Release  
Incident ID# nAPP2412141144

Maverick Permian, LLC  
January 12, 2026

TABLES



**TABLE 1**  
**SOIL ASSESSMENT LOCATIONS**  
**INCIDENT IDS nAPP2412141144**  
**MAVERICK PERMIAN, LLC**  
**MCA UNIT 2C INJECTION HEADER**  
**LEA COUNTY, NEW MEXICO**

Boring ID	Date	Latitude	Longitude
PB-01	7/18/2023	32.803579	-103.769354
PB-02	7/18/2023	32.803559	-103.769263
PB-03	7/18/2023	32.803465	-103.769282
PB-04	7/18/2023	32.803411	-103.769228
PB-05	7/18/2023	32.803304	-103.769214
PB-06	7/18/2023	32.803210	-103.769210
PB-07	7/18/2023	32.803123	-103.769132
PB-08	7/18/2023	32.803056	-103.769144
PB-09	7/18/2023	32.803225	-103.769290
PB-10	7/18/2023	32.803130	-103.769335
PB-11	7/18/2023	32.803192	-103.769416
PB-12	7/18/2023	32.803308	-103.769416
PB-13	7/18/2023	32.803444	-103.769338
PB-14	7/18/2023	32.803356	-103.769282
PB-15	7/18/2023	32.803485	-103.769415
PB-16	7/18/2023	32.803560	-103.769459
PB-17	7/18/2023	32.803616	-103.769409
PB-18	7/18/2023	32.803659	-103.769433



**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SOIL ASSESSMENT SAMPLING - INCIDENT IDS nAPP2412141144**  
**MAVERICK PERMIAN, LLC**  
**MCA UNIT 2C INJECTION HEADER**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
Reclamation Requirements (19.15.29 NMAC)			600		10								50								100	
PB - 1 (.5-1')	7/18/2023	0.5 - 1.0	1,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		241		200		441	
PB - 2 (.5-1')	7/18/2023	0.5 - 1.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 2 (2-3')	7/18/2023	2.0 - 3.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 3 (.5-1')	7/18/2023	0.5 - 1.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 3 (2-3')	7/18/2023	2.0 - 3.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 4 (.5-1')	7/18/2023	0.5 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17		24.8		42	
PB - 4 (2-3')	7/18/2023	2.0 - 3.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 5 (.5-1')	7/18/2023	0.5 - 1.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 5 (2-3')	7/18/2023	2.0 - 3.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 6 (.5-1')	7/18/2023	0.5 - 1.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 6 (2-3')	7/18/2023	2.0 - 3.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 7 (.5-1')	7/18/2023	0.5 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 7 (2-3')	7/18/2023	2.0 - 3.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 7 (3-4')	7/18/2023	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 8 (.5-1')	7/18/2023	0.5 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		11		13		25	
PB - 8 (2-3')	7/18/2023	2.0 - 3.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 8 (3-4')	7/18/2023	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 9 (.5-1')	7/18/2023	0.5 - 1.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 10 (.5-1')	7/18/2023	0.5 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 10 (2-3')	7/18/2023	2.0 - 3.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 10 (3-4')	7/18/2023	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 11 (.5-1')	7/18/2023	0.5 - 1.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 11 (2-3')	7/18/2023	2.0 - 3.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 12 (.5-1')	7/18/2023	0.5 - 1.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 13 (.5-1')	7/18/2023	0.5 - 1.0	6,800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		327		174		501	
PB - 13 (2-3')	7/18/2023	2.0 - 3.0	2,040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		78.6		35.1		113.7	
PB - 13 (3-4')	7/18/2023	3.0 - 4.0	3,720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		217		64.2		281.2	
PB - 14 (.5-1')	7/18/2023	0.5 - 1.0	16,200		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		195		94.8		289.8	
PB - 14 (2-3')	7/18/2023	2.0 - 3.0	2,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		48.8		52.9		101.7	
PB - 14 (3-4')	7/18/2023	3.0 - 4.0	1,920		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		66.1		71.5		137.6	
PB - 15 (.5-1')	7/18/2023	0.5 - 1.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		47.5		30.6		78.1	
PB - 15 (2-3')	7/18/2023	2.0 - 3.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 15 (3-4')	7/18/2023	3.0 - 4.0	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 16 (.5-1')	7/18/2023	0.5 - 1.0	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 16 (2-3')	7/18/2023	2.0 - 3.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 16 (3-4')	7/18/2023	3.0 - 4.0	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 17 (.5-1')	7/18/2023	0.5 - 1.0	532		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		35.4		42.1		77.5	





TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT SAMPLING - INCIDENT IDS NAPP2315656545  
MAVERICK PERMIAN, LLC  
MCA UNIT 2C INJECTION HEADER  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C <sub>28</sub>											> C <sub>28</sub> - C <sub>36</sub>							
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q		
Reclamation Requirements (19.15.29 NMAC)			600		10						50							100				
PB - 17 (2-3')	7/18/2023	2.0 - 3.0	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 18 (.5-1')	7/18/2023	0.5 - 1.0	360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
PB - 18 (2-3')	7/18/2023	2.0 - 3.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

**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 Reclamation Requirements (19.15.29 NMAC).**



**TABLE 3**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SHALLOW SOIL CONFIRMATION SAMPLING - INCIDENT nAPP2315656545**  
**MAVERICK PERMIAN, LLC**  
**MCA 2C INJECTION HEADER RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	(GRO+DRO+EXT DRO)	mg/kg																
feet bgs			mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
Reclamation Requirements (19.15.29 NMAC)			600		10								50								100	
SW - 1	8/8/2024	0.0 - 4.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 2	8/8/2024	0.0 - 4.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 3	8/9/2024	0.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 4	8/8/2024	0.0 - 4.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 5	8/8/2024	0.0 - 4.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 6	8/9/2024	0.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 7	8/12/2024	0.0 - 4.0	576		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	13.8	<10.0		<10.0		13.8	
SW - 8	8/13/2024	0.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 9	8/8/2024	0.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 10	8/8/2024	0.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 11	8/8/2024	0.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW - 12	8/8/2024	0.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	25.1	38.3		<10.0		63.4	
SW - 13	8/8/2024	0.0 - 4.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0	39.3	53.3		<10.0		92.6	
SW - 14	8/8/2024	0.0 - 4.0	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	14.9	<10.0		14.9	
SW - 15	8/13/2024	0.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 16	8/8/2024	0.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 17	8/13/2024	0.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 18	8/8/2024	0.0 - 4.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	10.4		<10.0	10.4	
SW - 19	8/12/2024	0.0 - 4.0	272		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 20	8/8/2024	0.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 21	8/8/2024	0.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 22	8/8/2024	0.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 23	8/8/2024	0.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 24	8/8/2024	0.0 - 4.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 25	8/8/2024	0.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0	<10.0		<10.0	-	
SW - 26	8/12/2024	0.0 - 4.0	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		13.7	10.6		<10.0	24.3	

**NOTES:**

bgs: Below ground surface  
mg/kg: Milligrams per kilogram  
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 Reclamation Requirements (19.15.29 NMAC).**

**Laterally or vertically over excavated and resampled**



**TABLE 4**  
**SUMMARY OF ANALYTICAL RESULTS**  
**DEEP CONFIRMATION SAMPLING - INCIDENT nAPP2412141144**  
**MAVERICK PERMIAN, LLC**  
**MCA 2C INJECTION HEADER RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>									
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		TPH		Total TPH	
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	> C <sub>10</sub> - C <sub>28</sub>	Q	> C <sub>28</sub> - C <sub>36</sub>	Q	GRO+DRO	Q
RRALs (Table I 19.15.29.12 NMAC)			10,000		10								50									1,000	2,500	
BH - 1 (4.0')	8/7/2024	4.0 - 4.5	3,000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 2 (4.0')	8/7/2024	4.0 - 4.5	2,960		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 3 (4.0')	8/7/2024	4.0 - 4.5	3,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 4 (4.0')	8/7/2024	4.0 - 4.5	2,920		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 5 (4.0')	8/7/2024	4.0 - 4.5	3,480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 6 (4.0')	8/7/2024	4.0 - 4.5	3,920		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 7 (4.0')	8/7/2024	4.0 - 4.5	8,800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 8 (4.0')	8/7/2024	4.0 - 4.5	2,160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 9 (4.0')	8/7/2024	4.0 - 4.5	2,520		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 10 (4.0')	8/7/2024	4.0 - 4.5	560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17.5		11		17.5	28.6		
BH - 11 (4.0')	8/7/2024	4.0 - 4.5	1,140		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 12 (4.0')	8/7/2024	4.0 - 4.5	8,100		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 13 (4.0')	8/7/2024	4.0 - 4.5	1,820		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		272		128		272	400		
BH - 14 (4.0')	8/7/2024	4.0 - 4.5	2,080		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 15 (4.0')	8/7/2024	4.0 - 4.5	1,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 16 (4.0')	8/7/2024	4.0 - 4.5	2,440		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 17 (4.0')	8/7/2024	4.0 - 4.5	4,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		57.2		62.8		57.2	120		
BH - 18 (4.0')	8/7/2024	4.0 - 4.5	2,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 19 (4.0')	8/7/2024	4.0 - 4.5	2,000		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 20 (4.0')	8/7/2024	4.0 - 4.5	1,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 21 (4.0')	8/7/2024	4.0 - 4.5	1,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 22 (4.0')	8/7/2024	4.0 - 4.5	6,640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 23 (4.0')	8/7/2024	4.0 - 4.5	1,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 24 (4.0')	8/7/2024	4.0 - 4.5	3,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 25 (4.0')	8/7/2024	4.0 - 4.5	2,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 26 (4.0')	8/7/2024	4.0 - 4.5	3,920		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 27 (4.0')	8/7/2024	4.0 - 4.5	2,320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 28 (4.0')	8/7/2024	4.0 - 4.5	864		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 29 (4.0')	8/7/2024	4.0 - 4.5	1,260		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		74.4		59		74.4	133.6		
BH - 30 (4.0')	8/7/2024	4.0 - 4.5	1,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 31 (4.0')	8/9/2024	4.0 - 4.5	1,490		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-		
BH - 32 (4.0')	8/9/2024	4.0 - 4.5	1,180		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.5		<10.0		10.5	10.5		

**NOTES:**

bgs: Below ground surface  
mg/kg: Milligrams per kilogram  
TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
EXT DRO: Oil Range Organics

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

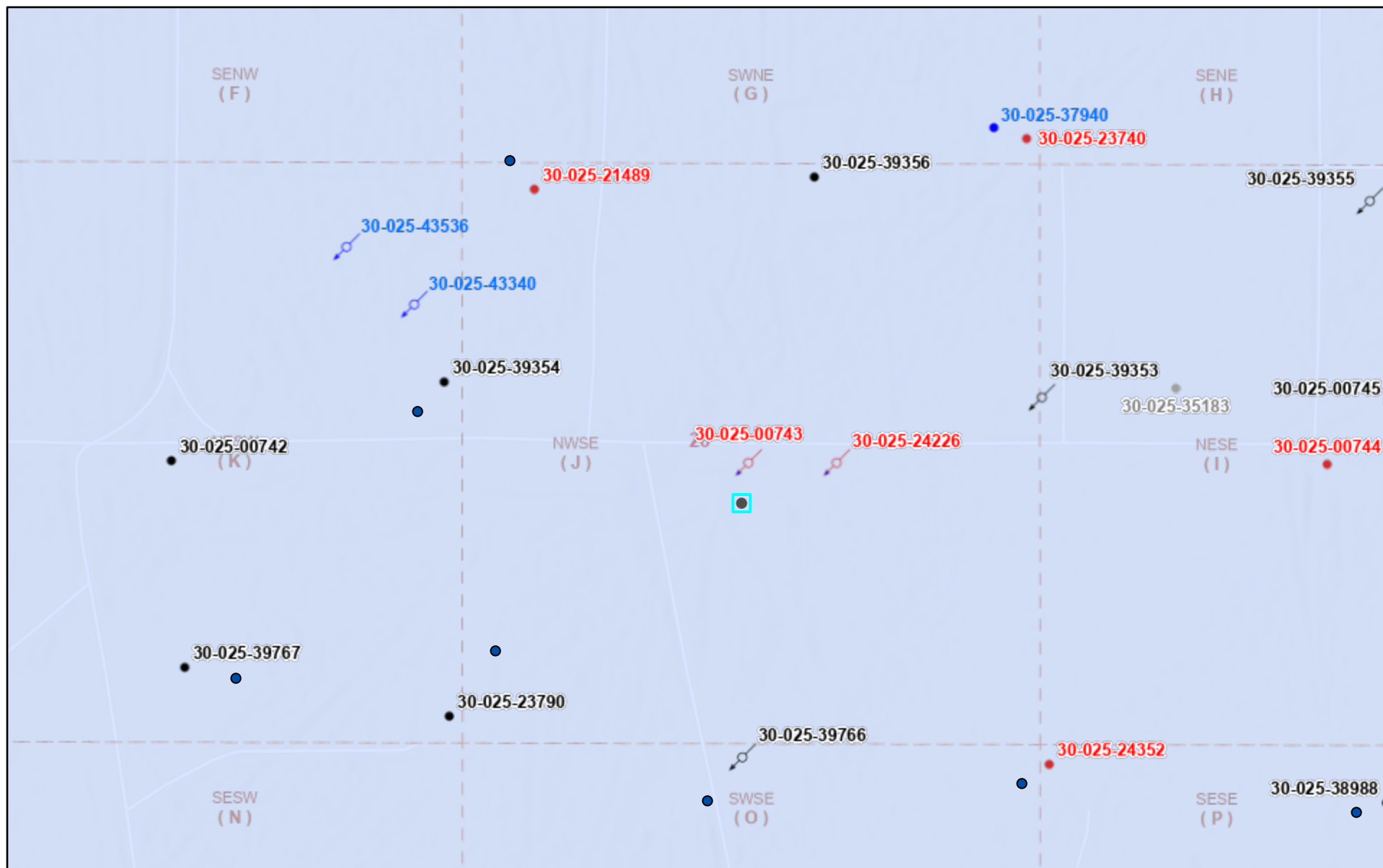
**Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.**

Remediation Report and Closure Request  
MCA 2C Injection Header Release  
Incident ID# nAPP2412141144

Maverick Permian, LLC  
January 12, 2026

## **ATTACHMENT 1 – SITE CHARACTERIZATION DATA**

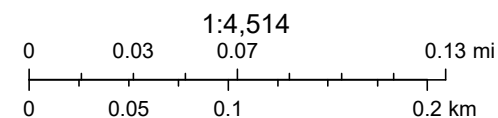
## OCD Well Locations



4/23/2025, 9:56:48 AM

- OSE Water PODs
- Wells - Large Scale
- ↗ Injection, Active
- ↗ Injection, New
- ↗ Injection, Plugged
- Oil, Active
- Oil, Cancelled
- Oil, New
- Oil, Plugged

- Karst Occurrence Potential
- Low
- PLSS Second Division
- PLSS First Division



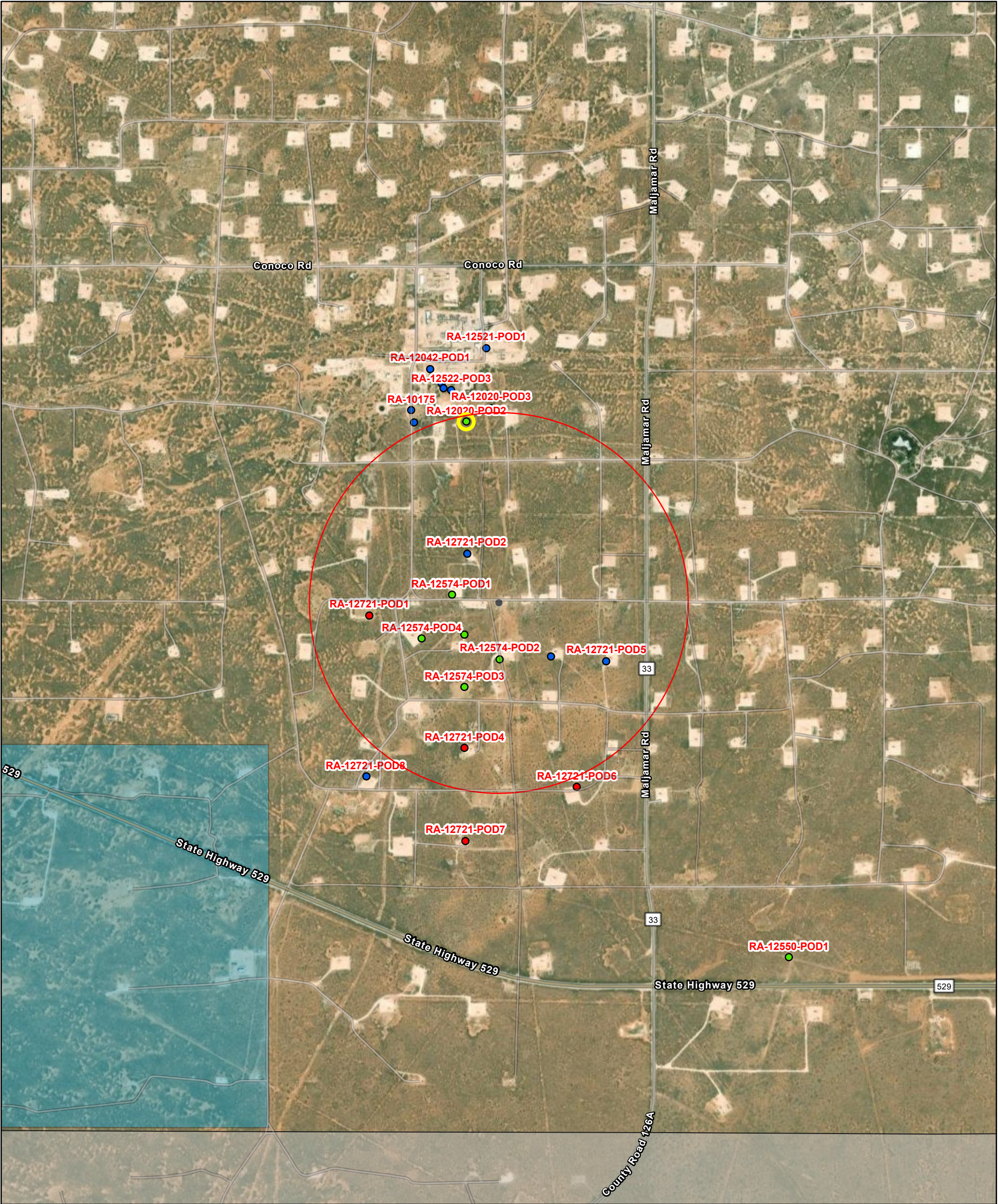
BLM, OCD, New Mexico Tech, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, USGS,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division



MCA 2C Injection Header NMOSE Map



4/10/2025, 3:16:58 PM

GIS WATERS PODs

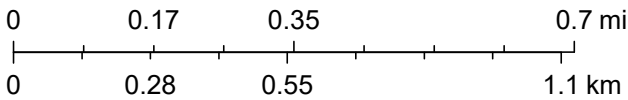
- Active
- Pending
- Plugged

OSE District Boundary

Water Right Regulations

- Closure Area
- New Mexico State Trust Lands
- Both Estates

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community









**Table 1**  
**2024 Groundwater Elevation Summary**  
**MCA 357**  
**Lea County, New Mexico**

Well ID	Gauging Date	Well Total Depth (feet)	Depth to Water (feet BTOC)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet)
MW-1	3/26/2024	102.7	84.44	3,956.78	<b>3,872.34</b>
	6/5/2024	102.7	84.58	3,956.78	<b>3,872.20</b>
	9/4/2024	102.7	84.89	3,956.78	<b>3,871.89</b>
	12/11/2024	102.7	85.01	3,956.78	<b>3,871.77</b>
MW-2	3/26/2024	107.7	83.40	3,963.58	<b>3,880.18</b>
	6/5/2024	107.7	83.43	3,963.58	<b>3,880.15</b>
	9/4/2024	107.7	83.40	3,963.58	<b>3,880.18</b>
	12/11/2024	107.7	83.71	3,963.58	<b>3,879.87</b>
MW-3	3/26/2024	117.3	88.18	3,951.34	<b>3,863.16</b>
	6/5/2024	117.3	88.19	3,951.34	<b>3,863.15</b>
	9/4/2024	117.3	88.29	3,951.34	<b>3,863.05</b>
	12/11/2024	117.3	88.47	3,951.34	<b>3,862.87</b>
MW-4	3/26/2024	103.2	94.12	3,945.39	<b>3,851.27</b>
	6/5/2024	103.2	94.18	3,945.39	<b>3,851.21</b>
	9/4/2024	103.2	94.52	3,945.39	<b>3,850.87</b>
	12/11/2024	103.2	94.41	3,945.39	<b>3,850.98</b>
MW-5	3/26/2024	112.9	89.66	3,950.37	<b>3,860.71</b>
	6/5/2024	112.9	89.69	3,950.37	<b>3,860.68</b>
	9/4/2024	112.9	89.75	3,950.37	<b>3,860.62</b>
	12/11/2024	112.9	89.84	3,950.37	<b>3,860.53</b>
MW-6	3/26/2024	128.1	Dry	3,952.96	<b>Dry</b>
	6/5/2024	128.1	Dry	3,952.96	<b>Dry</b>
	9/4/2024	128.1	Dry	3,952.96	<b>Dry</b>
	12/11/2024	128.1	Dry	3,952.96	<b>Dry</b>
MW-7	3/26/2024	127.3	89.70	3,972.11	<b>3,882.41</b>
	6/5/2024	127.3	89.61	3,972.11	<b>3,882.50</b>
	9/4/2024	127.3	89.85	3,972.11	<b>3,882.26</b>
	12/11/2024	127.3	89.98	3,972.11	<b>3,882.13</b>
MW-8	3/26/2024	118.1	94.95	3,956.83	<b>3,861.88</b>
	6/5/2024	118.1	95.03	3,956.83	<b>3,861.80</b>
	9/4/2024	118.1	95.28	3,956.83	<b>3,861.55</b>
	12/11/2024	118.1	95.41	3,956.83	<b>3,861.42</b>
MW-9	3/26/2024	133.0	118.81	3,936.53	<b>3,817.72</b>
	6/5/2024	133.0	118.67	3,936.53	<b>3,817.86</b>
	9/4/2024	133.0	118.61	3,936.53	<b>3,817.92</b>
	12/11/2024	133.0	119.09	3,936.53	<b>3,817.44</b>
MW-10	3/26/2024	132.5	124.06	3,963.20	<b>3,839.14</b>
	6/5/2024	132.5	123.99	3,963.20	<b>3,839.21</b>
	9/4/2024	132.5	124.02	3,963.20	<b>3,839.18</b>
	12/11/2024	132.5	124.12	3,963.20	<b>3,839.08</b>
MW-11	3/26/2024	132.9	Dry	3,930.91	<b>Dry</b>
	6/5/2024	132.9	Dry	3,948.30	<b>Dry</b>
	9/4/2024	132.9	Dry	3,948.30	<b>Dry</b>
	12/11/2024	132.9	Dry	3,948.30	<b>Dry</b>





**Table 1**  
**2024 Groundwater Elevation Summary**  
**MCA 357**  
**Lea County, New Mexico**

Well ID	Gauging Date	Well Total Depth (feet)	Depth to Water (feet BTOC)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet)
<b>MW-12</b>	3/26/2024	132.0	Dry	3,931.91	<b>Dry</b>
	6/5/2024	132.0	Dry	3,930.91	<b>Dry</b>
	9/4/2024	132.0	130.21	3,930.91	<b>3,800.70</b>
	12/11/2024	132.0	130.09	3,930.91	<b>3,800.82</b>
<b>MW-13</b>	3/26/2024	132.9	109.36	3,932.32	<b>3,822.96</b>
	6/5/2024	132.9	109.54	3,931.32	<b>3,821.78</b>
	9/4/2024	132.9	109.85	3,931.32	<b>3,821.47</b>
	12/11/2024	132.9	110.05	3,931.32	<b>3,821.27</b>

## Notes:

BTOC: Below Top of Casing

AMSL: Above Mean Sea Level

NG: Not gauged



**Appendix E**  
**2023 Montior Well Construction and Locations**  
**MCA 357**  
**Lea County, New Mexico**

Well ID	Date Drilled/Installed	Latitude	Longitude	Amount of Screen (ft)	Amount of Riser (ft)	Total Depth (ft bgs)
<b>MW-1</b>	12/9/2014	32.802341	-103.771269	Unknown	Unknown	100
<b>MW-2</b>	9/22/2017	32.804007	-103.771749	40.0	65.0	105
<b>MW-3</b>	9/25/2017	32.801499	-103.769706	40.0	75.0	115
<b>MW-4</b>	9/22/2017	32.800491	-103.771392	40.0	60.0	100
<b>MW-5</b>	9/22/2017	32.802330	-103.773167	40.0	70.0	110
<b>MW-6</b>	4/18/2019	32.803219	-103.775706	40.0	85.0	125
<b>MW-7</b>	4/18/2019	32.805509	-103.771091	40.0	85.0	125
<b>MW-8</b>	4/18/2019	32.801667	-103.767232	30.0	85.0	115
<b>MW-9</b>	4/19/2019	32.798125	-103.771169	40.0	90.0	130
<b>MW-10</b>	4/28/2020	32.801497	-103.764781	40.0	90.0	130
<b>MW-11</b>	4/28/2020	32.796530	-103.766164	40.0	90.0	130
<b>MW-12</b>	4/28/2020	32.794681	-103.771208	40.0	90.0	130
<b>MW-13</b>	9/28/2020	32.797114	-103.775645	40.0	90.0	130

Notes:

BTOC: Below Top of Casing

AMSL: Above Mean Sea Level



## MCA 2C Injection Header Release



June 24, 2025

**Wetlands**

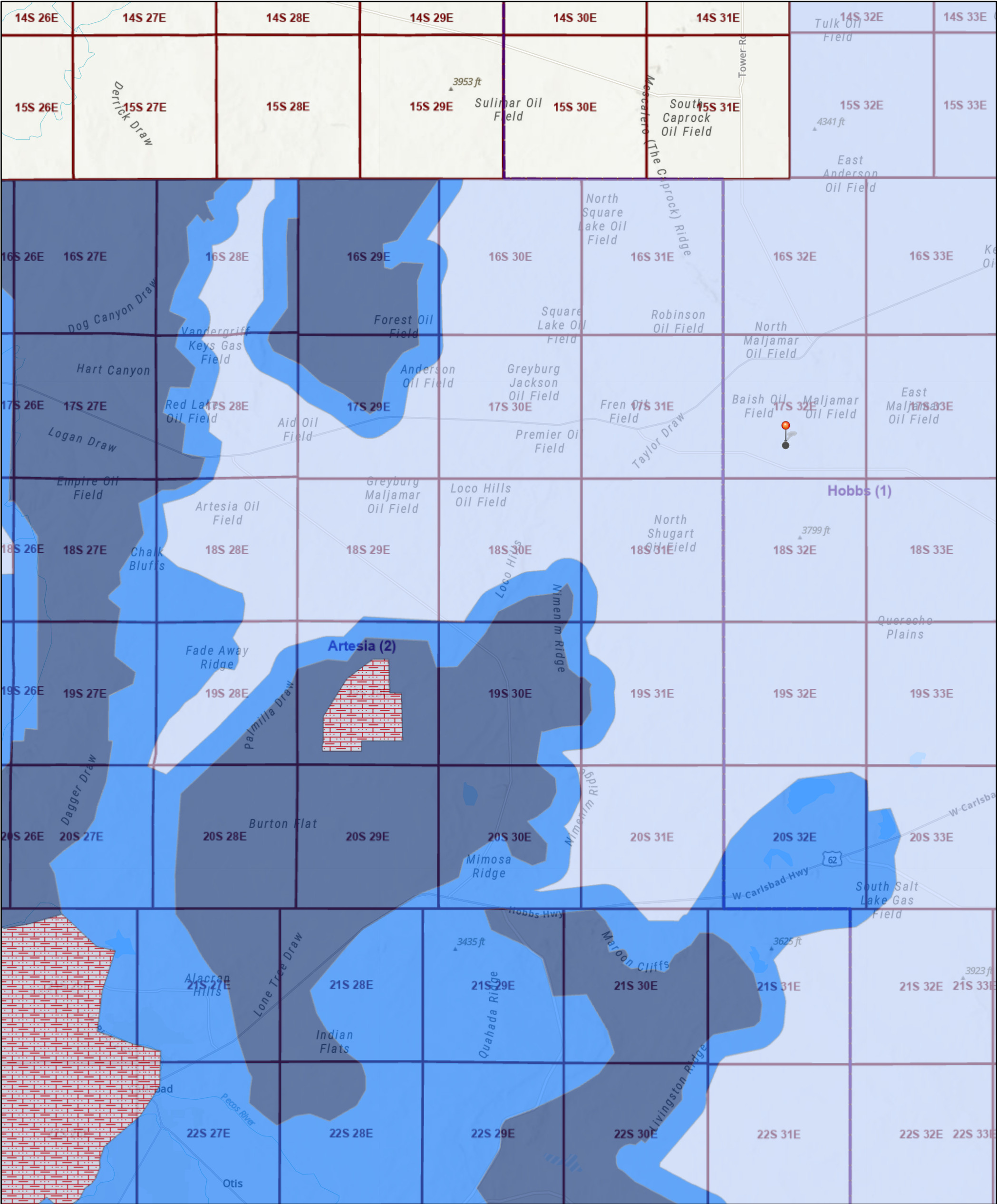
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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





4/10/2025, 4:16:45 PM

Override 1

Low

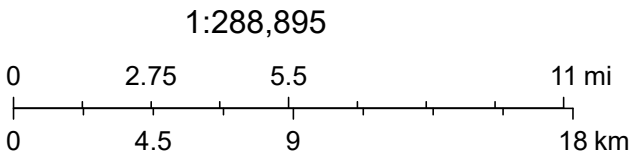
High

Medium

Critical Karst Resource Area

OCD Districts

PLSS Townships



BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, OCD, BLM



# National Flood Hazard Layer FIRMette



103°46'29"W 32°48'29"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°45'51"W 32°47'58"N

Released to Imaging: 1/15/2026 3:46:44 PM

Basemap Imagery Source: USGS National Map 2023

## Legend

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

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



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

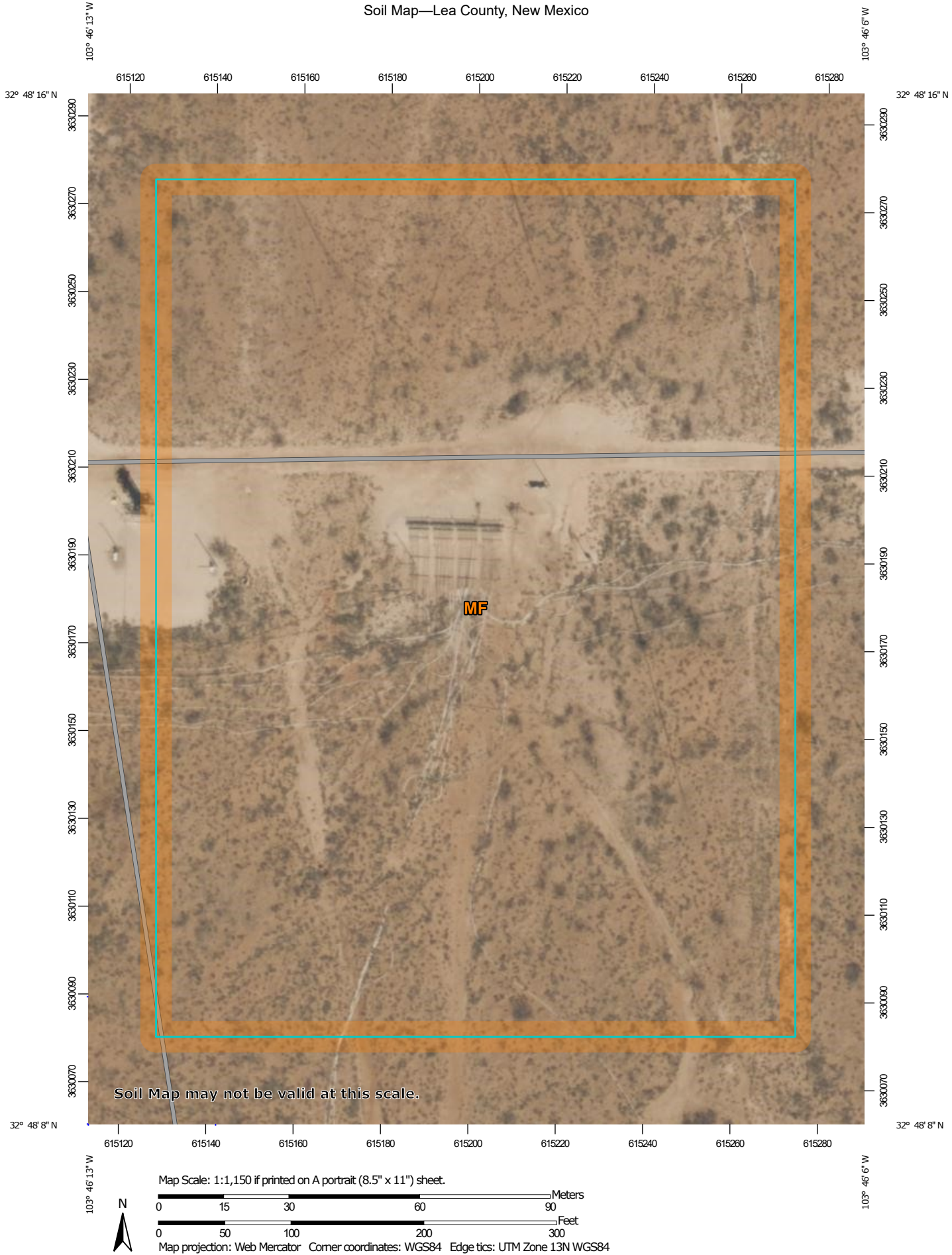
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/10/2025 at 9:08 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Soil Map—Lea County, New Mexico



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

4/10/2025  
Page 1 of 3

## Soil Map—Lea County, New Mexico

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

## Water Features



Streams and Canals

## Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MF	Maljamar and Palomas fine sands, 0 to 3 percent slopes	7.1	100.0%
Totals for Area of Interest		7.1	100.0%



Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

---

## Lea County, New Mexico

### MF—Maljamar and Palomas fine sands, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* dmqb

*Elevation:* 3,000 to 3,900 feet

*Mean annual precipitation:* 10 to 15 inches

*Mean annual air temperature:* 60 to 62 degrees F

*Frost-free period:* 190 to 205 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Maljamar and similar soils:* 46 percent

*Palomas and similar soils:* 44 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Maljamar

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 24 inches:* fine sand

*Bt - 24 to 50 inches:* sandy clay loam

*Bkm - 50 to 60 inches:* cemented material

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 40 to 60 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* Low (about 5.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 7e

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

---

*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Description of Palomas

### Setting

*Landform: Plains*  
*Landform position (three-dimensional): Rise*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Parent material: Alluvium derived from sandstone*

### Typical profile

*A - 0 to 16 inches: fine sand*  
*Bt - 16 to 60 inches: sandy clay loam*  
*Bk - 60 to 66 inches: sandy loam*

### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Well drained*  
*Runoff class: Low*  
*Capacity of the most limiting layer to transmit water*  
*(Ksat): Moderately high to high (0.60 to 2.00 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 45 percent*  
*Gypsum, maximum content: 1 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0*  
*mmhos/cm)*  
*Sodium adsorption ratio, maximum: 2.0*  
*Available water supply, 0 to 60 inches: Moderate (about 7.5*  
*inches)*

### Interpretive groups

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7e*  
*Hydrologic Soil Group: B*  
*Ecological site: R070BD003NM - Loamy Sand*  
*Hydric soil rating: No*

## Minor Components

### Kermit

*Percent of map unit: 5 percent*  
*Ecological site: R070BC022NM - Sandhills*  
*Hydric soil rating: No*

### Wink

*Percent of map unit: 5 percent*  
*Ecological site: R070BD003NM - Loamy Sand*

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,  
New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Lea County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

Remediation Report and Closure Request  
MCA 2C Injection Header Release  
Incident ID# nAPP2412141144

Maverick Permian, LLC  
January 12, 2026

## **ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION**





☉ 174°S (T) **LAT: 32.803649 LON: -103.769381 ±4m ▲ 1207m**



Site Assessment  
Tetra Tech

Maverick - MCA 2C Header Release  
May 26 2023, 09:48:48 MDT





☀ 156°SE (T) LAT: 32.803577 LON: -103.769394 ±4m ▲ 1208m



Site Assessment  
Tetra Tech

Maverick - MCA 2C Header Release  
May 26 2023, 09:48:57 MDT





☉ 123°SE (T) LAT: 32.803489 LON: -103.769433 ±4m ▲ 1207m



Site Assessment  
Tetra Tech

Maverick - MCA 2C Header Release  
May 26 2023, 09:49:09 MDT





NE

E

SE

S

30

60

90

120

150

180

210

☀ 123°SE (T) LAT: 32.803493 LON: -103.769434 ±4m ▲ 1208m

Site Assessment  
Tetra Tech

Maverick - MCA 2C Header Release  
May 26 2023, 09:49:13 MDT





☀ 88°E (T) LAT: 32.803382 LON: -103.769435 ±4m ▲ 1208m



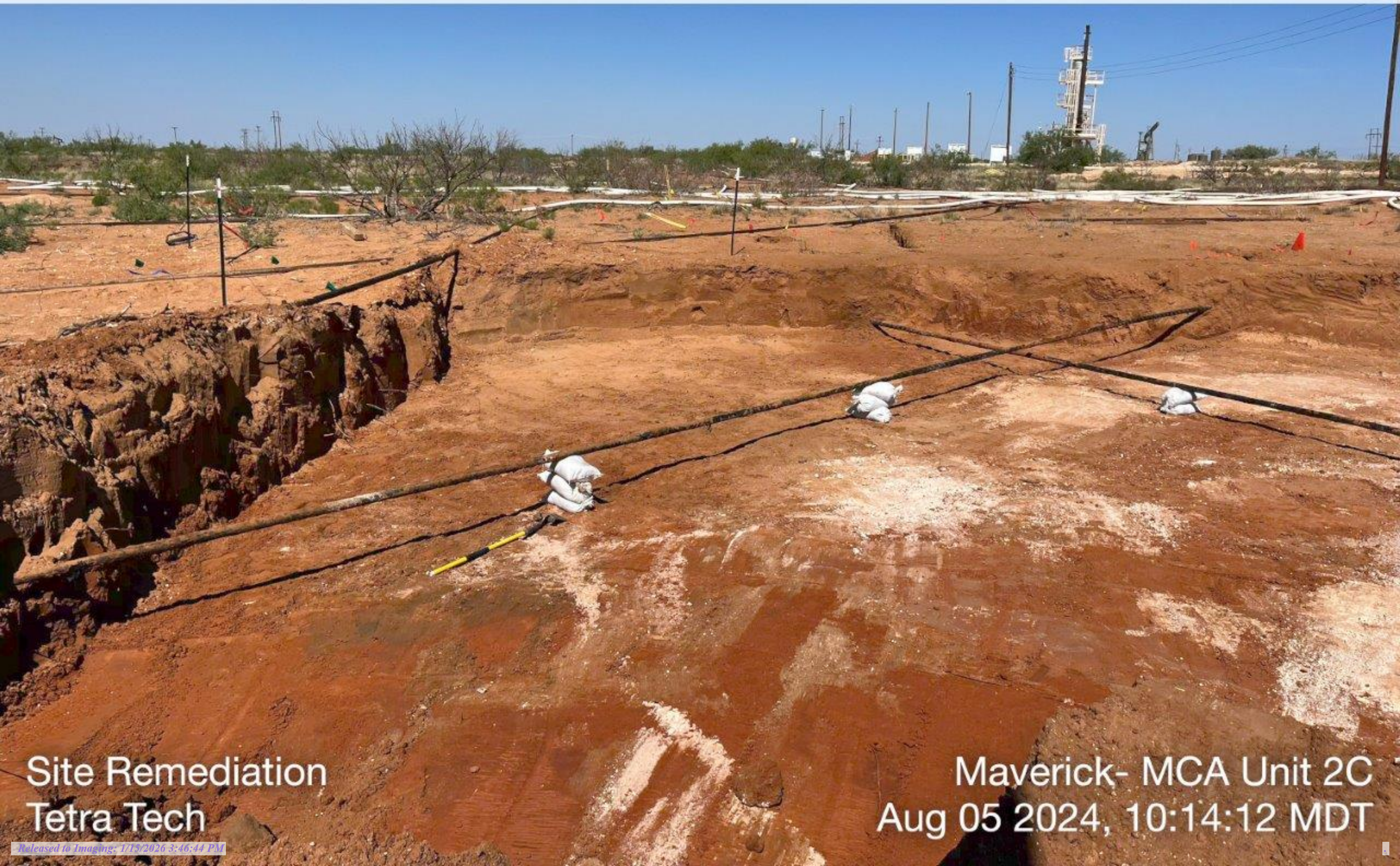
Site Assessment  
Tetra Tech

Maverick - MCA 2C Header Release  
May 26 2023, 09:49:28 MDT





☉ 279°W (T) LAT: 32.803383 LON: -103.769247 ±3m ▲ 1207m



Site Remediation  
Tetra Tech

Maverick- MCA Unit 2C  
Aug 05 2024, 10:14:12 MDT





☉ 302°NW (T) LAT: 32.803391 LON: -103.769262 ±3m ▲ 1207m



Site Remediation  
Tetra Tech

Maverick- MCA Unit 2C  
Aug 05 2024, 10:14:17 MDT





☀ 334°NW (T) LAT: 32.803458 LON: -103.769323 ±4m ▲ 1208m

Site Remediation  
Tetra Tech

Maverick- MCA Unit 2C  
Aug 05 2024, 10:14:27 MDT





☉ 175°S (T) LAT: 32.803233 LON: -103.769267 ±4m ▲ 1209m



Site Remediation  
Tetra Tech

Maverick- MCA 2C  
Aug 07 2024, 12:51:39 MDT





☉ 232°SW (T) LAT: 32.803194 LON: -103.769320 ±4m ▲ 1213m

Site Remediation  
Tetra Tech

Maverick- MCA 2C  
Aug 07 2024, 12:52:16 MDT





☉ 346°N (T) LAT: 32.803120 LON: -103.769326 ±4m ▲ 1209m



Site Remediation  
Tetra Tech

Maverick- MCA 2C  
Aug 07 2024, 12:52:35 MDT





☉ 46°NE (T) LAT: 32.803094 LON: -103.769452 ±4m ▲ 1209m



Site Remediation  
Tetra Tech

Maverick- MCA 2C  
Aug 07 2024, 12:52:48 MDT





Site Remediation  
Tetra Tech

Maverick- MCAUnit 2C  
Aug 29 2024, 14:37:54 MDT





☉ 335°NW (T) LAT: 32.802607 LON: -103.769014 ±3m ▲ 1202m

Site Remediation  
Tetra Tech

Maverick- MCAUnit 2C  
Aug 29 2024, 14:38:21 MDT





W

NW

N

NE



☀ 336°NW (T) LAT: 32.802873 LON: -103.768989 ±4m ▲ 1204m

Site Remediation  
Tetra Tech

Maverick- MCAUnit 2C  
Aug 29 2024, 14:38:42 MDT





☉ 52°NE (T) **LAT:** 32.803128 **LON:** -103.769404 ±4m ▲ 1209m

Site Remediation  
Tetra Tech

Maverick- MCAUnit 2C  
Aug 29 2024, 14:42:05 MDT



Remediation Report and Closure Request  
MCA 2C Injection Header Release  
Incident ID# nAPP2412141144

Maverick Permian, LLC  
January 12, 2026

## **ATTACHMENT 3 – LABORATORY ANALYTICAL DATA**





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

---

July 21, 2023

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA 2C 2023 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 07/18/23 16:08.

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](http://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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 1 (.5-1') (H233736-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEX	<0.300	0.300	07/19/2023	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	1120	16.0	07/19/2023	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	241	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	200	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 2 (.5-1') (H233736-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEx	<0.300	0.300	07/19/2023	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	07/19/2023	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	07/19/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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

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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 2 (2-3') (H233736-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTX	<0.300	0.300	07/19/2023	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	07/19/2023	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	07/19/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 3 (.5-1') (H233736-04)**

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318		
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32		
Total BTX	<0.300	0.300	07/19/2023	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	07/19/2023	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 3 (2-3') (H233736-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTEX	<0.300	0.300	07/19/2023	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	32.0	16.0	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 4 (.5-1') (H233736-06)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318	
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32	
Total BTX	<0.300	0.300	07/19/2023	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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	17.4	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	24.8	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 4 (2-3') (H233736-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.07	103	2.00	0.318		
Toluene*	<0.050	0.050	07/19/2023	ND	2.03	101	2.00	0.784		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	0.595		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.00	99.9	6.00	1.32		
Total BTX	<0.300	0.300	07/19/2023	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	16.0	16.0	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 5 (.5-1') (H233736-08)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62	
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 5 (2-3') (H233736-09)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 6 (.5-1') (H233736-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 6 (2-3') (H233736-11)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 7 (.5-1') (H233736-12)**

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	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 7 (2-3') (H233736-13)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 7 (3-4') (H233736-14)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 8 (.5-1') (H233736-15)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	11.4	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	13.4	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 8 (2-3') (H233736-16)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 8 (3-4') (H233736-17)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 9 (.5-1') (H233736-18)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 10 (.5-1') (H233736-19)**

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	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTEX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	<16.0	16.0	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 10 (2-3') (H233736-20)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/19/2023	ND	448	112	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	07/20/2023	ND	166	83.0	200	3.79	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	171	85.3	200	14.1	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 10 (3-4') (H233736-21)**

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	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	07/19/2023	ND	448	112	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	07/19/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 100 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 11 (.5-1') (H233736-22)**

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	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	07/19/2023	ND	448	112	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	07/19/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 11 (2-3') (H233736-23)**

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	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/19/2023	ND	448	112	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	07/19/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 12 (.5-1') (H233736-24)**

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	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/19/2023	ND	448	112	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 13 (.5-1') (H233736-25)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	6800	16.0	07/19/2023	ND	448	112	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	327	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	174	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 13 (2-3') (H233736-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2040	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	78.6	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	35.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 13 (3-4') (H233736-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTEx	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	3720	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	217	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	64.2	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 14 (.5-1') (H233736-28)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	16200	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	195	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	94.8	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 14 (2-3') (H233736-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57		
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2960	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	48.8	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	52.9	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 14 (3-4') (H233736-30)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	2.14	107	2.00	3.57	
Toluene*	<0.050	0.050	07/19/2023	ND	2.09	105	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.26	113	2.00	3.97	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.85	114	6.00	3.73	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	1920	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	66.1	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	71.5	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 15 (.5-1') (H233736-31)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62	
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05	
Total BTEx	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	47.5	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	30.6	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 15 (2-3') (H233736-32)**

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01		
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43		
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	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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**Analytical Results For:**

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

Received: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 15 (3-4') (H233736-33)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTX	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	320	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 16 (.5-1') (H233736-34)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 16 (2-3') (H233736-35)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62	
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05	
Total BTX	<0.300	0.300	07/19/2023	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	160	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 16 (3-4') (H233736-36)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTX	<0.300	0.300	07/19/2023	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	336	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 17 (.5-1') (H233736-37)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62	
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05	
Total BTX	<0.300	0.300	07/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	532	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	35.4	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	42.1	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 17 (2-3') (H233736-38)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTEx	<0.300	0.300	07/19/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 07/18/2023  
 Reported: 07/21/2023  
 Project Name: MCA 2C 2023 RELEASE  
 Project Number: 212C - HN - 02235  
 Project Location: MAVERICK - LEA CO NM

Sampling Date: 07/18/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: PB - 18 (.5-1') (H233736-39)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62		
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450		
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370		
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05		
Total BTEx	<0.300	0.300	07/19/2023	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	360	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 105 % 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:	07/18/2023	Sampling Date:	07/18/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	MCA 2C 2023 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	212C - HN - 02235	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA CO NM		

**Sample ID: PB - 18 (2-3') (H233736-40)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/19/2023	ND	1.99	99.5	2.00	1.62	
Toluene*	<0.050	0.050	07/19/2023	ND	1.99	99.7	2.00	0.0450	
Ethylbenzene*	<0.050	0.050	07/19/2023	ND	2.02	101	2.00	0.370	
Total Xylenes*	<0.150	0.150	07/19/2023	ND	6.06	101	6.00	1.05	
Total BTEx	<0.300	0.300	07/19/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	1.01	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	182	91.1	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					

Surrogate: 1-Chlorooctane 108 % 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

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

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

---

Celey D. Keene, Lab Director/Quality Manager



### Analysis Request of Chain of Custody Record



**Tetra Tech, Inc.**

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 1 of 1

Page 43 of 46

Client Name: <b>Maverick</b>		Site Manager: <b>Chuck Terhune</b>	
Project Name: <b>MCA 2C 2023 Release</b>		(281) 755-8965 <a href="mailto:chuck.terhune@tetratech.com">chuck.terhune@tetratech.com</a>	
Project Location: <b>Lea County, NM</b>		Project #: <b>212C-HN-02235</b>	
Invoice to:		<a href="mailto:chuck.terhune@tetratech.com">chuck.terhune@tetratech.com</a>	
Receiving Laboratory: <b>Cardinal Labs</b>		Sampler Signature: <b>Miguel A. Flores</b>	
Comments:			
LAB # <b>4233734</b> (LAB USE ONLY)			
		SAMPLING	
		YEAR: 2023	
		DATE	
		TIME	
		WATER	
		SOIL	
		HCL	
		HNO <sub>3</sub>	
		ICE	
		PRESERVATIVE METHOD	
		# CONTAINERS	
		FILTERED (Y/N)	
PB-1 (.5-1')		X	
PB-2 (.5-1')		X	
PB-2 (2-3')		X	
PB-3 (.5-1')		X	
PB-3 (2-3')		X	
PB-4 (.5-1')		X	
PB-4 (2-3')		X	
PB-5 (.5-1')		X	
PB-5 (2-3')		X	
PB-6 (.5-1')		X	
Relinquished by: <b>Miguel A Flores</b>		Date: _____ Time: _____	
Relinquished by:		Received by: <b>Steddiequely</b>	
Date: _____ Time: _____		Date: <b>7/18/23</b> Time: <b>1108</b>	
Relinquished by:		Received by:	
Date: _____ Time: _____		Date: _____ Time: _____	
Relinquished by:		Received by:	
Date: _____ Time: _____		Date: _____ Time: _____	
LAB USE ONLY		REMARKS: Standard	
Sample Temperature		RUSH: Same Day 24 hr 43 hr 72 hr	
#140		Special Report Limits or TRRP Report	
		Hold	

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: Maverick Site Manager: Chuck Terhune

Project Name: MCA 2C 2023 Release (281) 755-8965  
Project #: chuck.terhune@tetratech.com

Project Location: Lea County, NM Project #: 212C-HN-02235

Invoice to: chuck.terhune@tetratech.com

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

Comments:

LAB # (LAB USE ONLY)	LAB USE ONLY	SAMPLING	DATE	TIME	MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)	REMARKS: Standard
11		PB-6 (2-3)	7/18/2023		X	X			BTEX 8021B BTEX 8260B	
12		PB-7 (.5-1')	7/18/2023		X	X			TPH TX1005 (Ext to C35)	
13		PB-7 (2-3)	7/18/2023		X	X			TPH 8015M ( GRO - DRO - ORO )	
14		PB-7 (3-4)	7/18/2023		X	X			PAH 8270C	
15		PB-8 (.5-1')	7/18/2023		X	X			Total Metals Ag As Ba Cd Cr Pb Se Hg	
16		PB-8 (2-3)	7/18/2023		X	X			TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
17		PB-8 (3-4)	7/18/2023		X	X			TCLP Volatiles	
18		PB-9 (.5-1')	7/18/2023		X	X			TCLP Semi Volatiles	
19		PB-10 (.5-1')	7/18/2023		X	X			RCI	
20		PB-10 (2-3)	7/18/2023		X	X			GC/MS Vol. 8260B / 624	
Relinquished by: Miguel A Flores Date: Time: Received by: Date: Time: 7/18/23 1405										
Relinquished by: Date: Time: Received by: Date: Time:										
Relinquished by: Date: Time: Received by: Date: Time:										

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LAB USE ONLY

Sample Temperature: 5.2

#140

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 #:



Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 3 of 3

Page 45 of 46

Client Name:	Maverick	Site Manager:	Chuck Terhune
Project Name:	MCA 2C 2023 Release	(281) 755-8965	chuck.terhune@tetratech.com
Project Location:	Lea County, NM	Project #:	212C-HN-02235
Invoice to:	chuck.terhune@tetratech.com		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Miguel A. Flores
Comments:			

LAB #	LAB USE ONLY	DATE	TIME	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
				YEAR: 2023		WATER	SOIL	HCL	HNO <sub>3</sub>		
21		7/18/2023			X			X			
22		7/18/2023			X			X			
23		7/18/2023			X			X			
24		7/18/2023			X			X			
25		7/18/2023			X			X			
26		7/18/2023			X			X			
27		7/18/2023			X			X			
28		7/18/2023			X			X			
29		7/18/2023			X			X			
30		7/18/2023			X			X			

Relinquished by:	Miguel A Flores	Date:	Time:	Received by:	7/18/23	Date:	Time:
Relinquished by:		Date:	Time:	Received by:		Date:	Time:
Relinquished by:		Date:	Time:	Received by:		Date:	Time:

LAB USE ONLY	REMARKS: Standard
Sample Temperature	<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr
#140	<input type="checkbox"/> Rush Charges Authorized
	<input type="checkbox"/> Special Report Limits or TRRP Report

BTX 8021B	BTX 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	
Hold	

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## Analysis Request of Chain of Custody Record



## Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 692-4559  
Fax (432) 692-3946

Page 4 of 4

Page 46 of 46

Client Name: <b>Maverick</b>		Site Manager: <b>Chuck Terhune</b>	
Project Name: <b>MCA 2C 2023 Release</b>		(281) 755-8965 <a href="mailto:chuck.terhune@tetratech.com">chuck.terhune@tetratech.com</a>	
Project Location: <b>Lea County, NM</b>		Project #: <b>212C-HN-02235</b>	
Invoice to: <a href="mailto:chuck.terhune@tetratech.com">chuck.terhune@tetratech.com</a>		Sampler Signature: <b>Miguel A. Flores</b>	
Receiving Laboratory: <b>Cardinal Labs</b>		Comments:	

LAB # (LAB USE ONLY)	DATE	TIME	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)	REMARKS
			YEAR: 2023		WATER	SOIL	HCL	HNO <sub>3</sub>				
31	7/18/2023			X			X				BTEX 8021B BTEX 8260B	
32	7/18/2023			X			X				TPH TX1005 (Ext to C35)	
33	7/18/2023			X			X				TPH 8015M (GRO - DRO - ORO)	
34	7/18/2023			X			X				PAH 8270C	
35	7/18/2023			X			X				Total Metals Ag As Ba Cd Cr Pb Se Hg	
36	7/18/2023			X			X				TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
37	7/18/2023			X			X				TCLP Volatiles	
38	7/18/2023			X			X				TCLP Semi Volatiles	
39	7/18/2023			X			X				RCI	
40	7/18/2023			X			X				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	
											Hold	

Relinquished by: <b>Miguel A Flores</b>	Date: _____ Time: _____	Received by: <b>Sebastian</b>	Date: <b>7/18/23</b> Time: <b>1408</b>
Relinquished by: _____	Date: _____ Time: _____	Received by: _____	Date: _____ Time: _____

LAB USE ONLY	REMARKS: Standard
<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	

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August 12, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA UNIT 2C

Enclosed are the results of analyses for samples received by the laboratory on 08/07/24 14:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 1 ( 4.0' ) (H244758-01)**

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2024	ND	2.09	105	2.00	0.485	
Toluene*	<0.050	0.050	08/07/2024	ND	2.07	103	2.00	0.387	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.11	105	2.00	0.925	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.23	104	6.00	1.13	
Total BTX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	3000	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 2 ( 4.0' ) (H244758-02)**

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	08/07/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/07/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	2960	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/07/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 3 ( 4.0' ) (H244758-03)**

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	08/07/2024	ND	2.09	105	2.00	0.485	
Toluene*	<0.050	0.050	08/07/2024	ND	2.07	103	2.00	0.387	
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.11	105	2.00	0.925	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.23	104	6.00	1.13	
Total BTEX	<0.300	0.300	08/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	3440	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 4 ( 4.0' ) (H244758-04)**

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	08/07/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/07/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	2920	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 5 ( 4.0' ) (H244758-05)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	3480	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 107 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 6 ( 4.0' ) (H244758-06)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	3920	16.0	08/08/2024	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 7 ( 4.0' ) (H244758-07)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 8 ( 4.0' ) (H244758-08)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	2160	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 9 ( 4.0' ) (H244758-09)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 10 ( 4.0' ) (H244758-10)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	17.5	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	11.1	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 21 ( 4.0' ) (H244758-11)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	1360	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 22 ( 4.0' ) (H244758-12)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	6640	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 23 ( 4.0' ) (H244758-13)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	1600	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 24 ( 4.0' ) (H244758-14)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEx	<0.300	0.300	08/08/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 25 ( 4.0' ) (H244758-15)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	2680	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 26 ( 4.0' ) (H244758-16)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 27 ( 4.0' ) (H244758-17)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	2320	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 28 ( 4.0' ) (H244758-18)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	864	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 29 ( 4.0' ) (H244758-19)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	1260	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	74.4	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	59.2	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 116 % 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: 08/07/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 30 ( 4.0' ) (H244758-20)**

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	08/08/2024	ND	2.09	105	2.00	0.485		
Toluene*	<0.050	0.050	08/08/2024	ND	2.07	103	2.00	0.387		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	0.925		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.23	104	6.00	1.13		
Total BTEX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	08/08/2024	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	08/08/2024	ND	204	102	200	2.18	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	199	99.4	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/07/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 11 ( 4.0' ) (H244758-21)**

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	08/07/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/07/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/07/2024	ND	2.26	113	2.00	0.279	QM-07	
Total Xylenes*	<0.150	0.150	08/07/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1140	16.0	08/08/2024	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 12 ( 4.0' ) (H244758-22)**

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	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	8100	16.0	08/08/2024	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 13 ( 4.0' ) (H244758-23)**

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	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	1820	16.0	08/08/2024	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	272	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	128	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 08/07/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: BH - 14 ( 4.0' ) (H244758-24)**

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	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2080	16.0	08/08/2024	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 15 ( 4.0' ) (H244758-25)**

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	08/08/2024	ND	2.11	105	2.00	1.65	
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1120	16.0	08/08/2024	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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 16 ( 4.0' ) (H244758-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	1.65	
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481	
Total BTEX	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2440	16.0	08/08/2024	ND	384	96.0	400	8.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 17 ( 4.0' ) (H244758-27)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTX	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	4120	16.0	08/08/2024	ND	384	96.0	400	8.00		

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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	57.2	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	62.8	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 18 ( 4.0' ) (H244758-28)**

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	08/08/2024	ND	2.11	105	2.00	1.65	
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900	
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279	
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481	
Total BTEx	<0.300	0.300	08/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	2560	16.0	08/08/2024	ND	384	96.0	400	8.00		

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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 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:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 19 ( 4.0' ) (H244758-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2000	16.0	08/08/2024	ND	384	96.0	400	8.00		

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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	08/07/2024	Sampling Date:	08/07/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH - 20 ( 4.0' ) (H244758-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/08/2024	ND	2.11	105	2.00	1.65		
Toluene*	<0.050	0.050	08/08/2024	ND	2.18	109	2.00	0.900		
Ethylbenzene*	<0.050	0.050	08/08/2024	ND	2.26	113	2.00	0.279		
Total Xylenes*	<0.150	0.150	08/08/2024	ND	6.86	114	6.00	0.481		
Total BTEx	<0.300	0.300	08/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	1680	16.0	08/08/2024	ND	384	96.0	400	8.00		

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	08/08/2024	ND	213	106	200	0.563	
DRO >C10-C28*	<10.0	10.0	08/08/2024	ND	220	110	200	0.673	
EXT DRO >C28-C36	<10.0	10.0	08/08/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901 W Wall Street, Ste 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Page 1 of 3

Client Name:

Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name:

MCA Unit 2C

281-755-8965

Project Location:

Lea County, NM

Project #:

chuck.terhune@tetratech.com

Invoice to:

212C-MD-03427

Attn: Chuck Terhune

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

Include : Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

## SAMPLE IDENTIFICATION

LAB # H24458

LAB USE ONLY

1	BH-1 (4.0')
2	BH-2 (4.0')
3	BH-3 (4.0')
4	BH-4 (4.0')
5	BH-5 (4.0')
6	BH-6 (4.0')
7	BH-7 (4.0')
8	BH-8 (4.0')
9	BH-9 (4.0')
10	BH-10 (4.0')

Relinquished by: Date: Time: 1402

Relinquished by: Date: Time: 8-7-24

Relinquished by: Date: Time:

YEAR 2024	SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	ICE					
	8/7/2024	846	X				X					
	8/7/2024	845	X				X					
	8/7/2024	850	X				X					
	8/7/2024	852	X				X					
	8/7/2024	854	X				X					
	8/7/2024	859	X				X					
	8/7/2024	910	X				X					
	8/7/2024	913	X				X					
	8/7/2024	915	X				X					
	8/7/2024	917	X				X					

Received by: Date: Time: 8-7-24 1403

Received by: Date: Time:

## ANALYSIS REQUEST

(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M ( GRO - DRO - ORO - MRO)	
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	

Hold

LAB USE ONLY

REMARKS:

Standard TAT

Sample Temperature

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Analysis Request of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 3 of 3

Client Name: Maverick Natural Resources

Site Manager: Chuck Terhune

Project Name: MCA Unit 2C

281-755-8965

Project Location: Lea County, NM

Project #: chuck.terhune@tetratech.com

Invoice to:

Attn: Chuck Terhune

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

Include: Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB # 11244758  
(LAB USE ONLY)

		SAMPLING		MATRIX				PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO <sub>3</sub>	ICE					
11	BH-21(4.0')	8/7/2024	1100	X				X					
12	BH-22(4.0')	8/7/2024	1105	X				X					
13	BH-23(4.0')	8/7/2024	1107	X				X					
14	BH-24(4.0')	8/7/2024	1116	X				X					
15	BH-25(4.0')	8/7/2024	1115	X				X					
16	BH-26(4.0')	8/7/2024	1135	X				X					
17	BH-27(4.0')	8/7/2024	1200	X				X					
18	BH-28(4.0')	8/7/2024	1216	X				X					
19	BH-29(4.0')	8/7/2024	1215	X				X					
20	BH-30(4.0')	8/7/2024	1217	X				X					

Relinquished by: Date: 8-7-24 Time: 1402

Relinquished by: Date: 8-7-24 Time: 1403

Relinquished by: Date: Time:

Date: Time:

Received by: Date: Time:

Date: Time:

Sample Temperature

49.0  
CF-0.0  
4.8  
4.140

REMARKS:

Standard TAT

☒ RUSH: Same Day 24 hr 48 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report







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

---

August 12, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA UNIT 2C

Enclosed are the results of analyses for samples received by the laboratory on 08/08/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 1 (H244802-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2024	ND	2.21	110	2.00	3.40		
Toluene*	<0.050	0.050	08/09/2024	ND	2.16	108	2.00	0.290		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.23	112	2.00	3.16		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.78	113	6.00	2.90		
Total BTX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	192	16.0	08/12/2024	ND	416	104	400	7.41		

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	08/09/2024	ND	206	103	200	7.27	QM-07
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	QM-07
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 2 (H244802-02)**

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	08/09/2024	ND	2.21	110	2.00	3.40		
Toluene*	<0.050	0.050	08/09/2024	ND	2.16	108	2.00	0.290		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.23	112	2.00	3.16		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.78	113	6.00	2.90		
Total BTEx	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	192	16.0	08/12/2024	ND	416	104	400	7.41		

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 4 (H244802-04)**

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	08/09/2024	ND	2.17	109	2.00	2.14	QM-07	
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	128	16.0	08/12/2024	ND	416	104	400	7.41	

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 5 (H244802-05)**

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	08/09/2024	ND	2.17	109	2.00	2.14	
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40	
Total BTEX	<0.300	0.300	08/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	128	16.0	08/12/2024	ND	416	104	400	7.41	

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.7 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 8 (H244802-07)**

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	08/09/2024	ND	2.17	109	2.00	2.14	
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40	
Total BTEX	<0.300	0.300	08/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1100	16.0	08/12/2024	ND	416	104	400	7.41	

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	13.3	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 9 (H244802-08)**

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	08/09/2024	ND	2.17	109	2.00	2.14	
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40	
Total BTEX	<0.300	0.300	08/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/12/2024	ND	416	104	400	7.41	

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 10 (H244802-09)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2024	ND	416	104	400	7.41		

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 11 (H244802-10)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2024	ND	416	104	400	7.41		

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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 12 (H244802-11)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	25.1	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	38.3	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 13 (H244802-12)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	39.3	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	53.3	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 14 (H244802-13)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	14.9	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 15 (H244802-14)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2400	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	11.2	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	16.9	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 16 (H244802-15)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 17 (H244802-16)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	1330	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	11.8	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 18 (H244802-17)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	10.4	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 20 (H244802-18)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 21 (H244802-19)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 22 (H244802-20)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 23 (H244802-21)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 24 (H244802-22)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/12/2024	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	08/09/2024	ND	206	103	200	7.27	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	195	97.3	200	4.59	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 26 (H244802-23)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	08/12/2024	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	08/09/2024	ND	200	99.9	200	3.94	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	206	103	200	3.66	
EXT DRO >C28-C36	12.1	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:	08/08/2024	Sampling Date:	08/08/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 25 (H244802-24)**

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	08/09/2024	ND	2.17	109	2.00	2.14		
Toluene*	<0.050	0.050	08/09/2024	ND	2.34	117	2.00	1.23		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.51	125	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	7.53	125	6.00	4.40		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/12/2024	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	08/09/2024	ND	200	99.9	200	3.94	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	206	103	200	3.66	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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### Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





## Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901 W. Vail Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Page 2 of 3

Client Name:

Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name:

MCA Unit 2C

281-755-8965

Project Location:

Lea County, NM

Project #:

[chuck.terhune@tetratech.com](mailto:chuck.terhune@tetratech.com)

Invoice to:

212C-MD-03427

Receiving Laboratory:

Attn: Chuck Terhune

Sampler Signature:

Cardinal Labs

Jorge Fernandez

Comments:

Include : Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

LAB #  
LAB USE ONLY

## SAMPLE IDENTIFICATION

LAB #  (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Relinquished by:

Date: Time: 1534

Relinquished by:

Date: Time: 8-8-24

Relinquished by:

Date: Time:

Received by:

Date: Time: 8-8-24 1535

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

Standard TAT

Sample Temperature

4.1°C

CF-0.0°C

8.5.14

☒ RUSH: Same Day 24 hr (48 hr) 72 hr☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ANALYSIS REQUEST  
(Circle or Specify Method No.)

ORIGINAL COPY









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

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August 12, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA UNIT 2C

Enclosed are the results of analyses for samples received by the laboratory on 08/09/24 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://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:	08/09/2024	Sampling Date:	08/09/2024
Reported:	08/12/2024	Sampling Type:	Soil
Project Name:	MCA UNIT 2C	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03427	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW - 3 (H244821-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2024	ND	2.08	104	2.00	2.47	
Toluene*	<0.050	0.050	08/09/2024	ND	2.03	102	2.00	2.03	
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.06	103	2.00	1.79	
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.07	101	6.00	1.63	
Total BTX	<0.300	0.300	08/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/12/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	227	114	200	4.23	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	218	109	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 08/09/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/09/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 (H244821-02)**

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	08/09/2024	ND	2.08	104	2.00	2.47		
Toluene*	<0.050	0.050	08/09/2024	ND	2.03	102	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.06	103	2.00	1.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.07	101	6.00	1.63		
Total BTEX	<0.300	0.300	08/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/12/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	227	114	200	4.23	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	218	109	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 08/09/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/09/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BH - 31 ( 4.0' ) (H244821-03)**

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	08/09/2024	ND	2.08	104	2.00	2.47		
Toluene*	<0.050	0.050	08/09/2024	ND	2.03	102	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.06	103	2.00	1.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.07	101	6.00	1.63		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	1490	16.0	08/12/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	227	114	200	4.23	
DRO >C10-C28*	<10.0	10.0	08/09/2024	ND	218	109	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 08/09/2024  
 Reported: 08/12/2024  
 Project Name: MCA UNIT 2C  
 Project Number: 212C - MD - 03427  
 Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 08/09/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BH - 32 ( 4.0' ) (H244821-04)**

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	08/09/2024	ND	2.08	104	2.00	2.47		
Toluene*	<0.050	0.050	08/09/2024	ND	2.03	102	2.00	2.03		
Ethylbenzene*	<0.050	0.050	08/09/2024	ND	2.06	103	2.00	1.79		
Total Xylenes*	<0.150	0.150	08/09/2024	ND	6.07	101	6.00	1.63		
Total BTEX	<0.300	0.300	08/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	1180	16.0	08/12/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2024	ND	227	114	200	4.23	
DRO >C10-C28*	10.5	10.0	08/09/2024	ND	218	109	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/09/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

---

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) 862-4559  
Fax (432) 862-3946

Client Name:

Maverick Natural Resources

Site Manager:

Chuck Terhune

Project Name:

MCA Unit 2C

281-755-8965

Project Location:

Lea County, NM

Project #:

212C-MD-03427

Invoice to:

Attn: Chuck Terhune

Receiving Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

Comments:

Include : Chris Straub Chris.Straub@tetratech.com Jorge.Fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #

LAB USE ONLY

SAMPLING  
YEAR 2024  
DATE  
TIME

MATRIX  
PRESERVATIVE METHOD

WATER  
SOIL  
HCL  
HNO<sub>3</sub>  
ICE

# CONTAINERS  
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M ( GRO - DRO - ORO - MRO)

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

Hold

ANALYSIS REQUEST  
(Circle or Specify Method No.)

Relinquished by: Date: 1/14/0

Relinquished by: Date: 8-4-24

Relinquished by: Date: Time:

Received by: Date: 1/14/0

Received by: Date: 8-9-24

Received by: Date: Time:

LAB USE ONLY

REMARKS: Standard TAT

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY



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

---

August 13, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA 2C BATT

Enclosed are the results of analyses for samples received by the laboratory on 08/12/24 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://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: 08/12/2024  
 Reported: 08/13/2024  
 Project Name: MCA 2C BATT  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 7 (H244855-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2024	ND	1.99	99.6	2.00	1.73	
Toluene*	<0.050	0.050	08/13/2024	ND	2.01	100	2.00	0.260	
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.07	104	2.00	0.847	
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.12	102	6.00	1.08	
Total BTX	<0.300	0.300	08/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	08/13/2024	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	08/13/2024	ND	232	116	200	0.185	
DRO >C10-C28*	13.8	10.0	08/13/2024	ND	215	107	200	0.393	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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: 08/12/2024  
 Reported: 08/13/2024  
 Project Name: MCA 2C BATT  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 19 (H244855-02)**

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	08/13/2024	ND	1.99	99.6	2.00	1.73		
Toluene*	<0.050	0.050	08/13/2024	ND	2.01	100	2.00	0.260		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.07	104	2.00	0.847		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.12	102	6.00	1.08		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/13/2024	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	08/13/2024	ND	232	116	200	0.185	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	107	200	0.393	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 08/12/2024  
 Reported: 08/13/2024  
 Project Name: MCA 2C BATT  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/12/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 26 (H244855-03)**

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	08/13/2024	ND	1.99	99.6	2.00	1.73		
Toluene*	<0.050	0.050	08/13/2024	ND	2.01	100	2.00	0.260		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.07	104	2.00	0.847		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.12	102	6.00	1.08		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/13/2024	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	08/13/2024	ND	232	116	200	0.185	
DRO >C10-C28*	13.7	10.0	08/13/2024	ND	215	107	200	0.393	
EXT DRO >C28-C36	10.6	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager







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---

August 14, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MCA 2C BATT

Enclosed are the results of analyses for samples received by the laboratory on 08/13/24 13:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://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: 08/13/2024  
 Reported: 08/14/2024  
 Project Name: MCA 2C BATT  
 Project Number: MCA 2C RELEASE  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 8 (H244883-01)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/14/2024	ND	400	100	400	7.69	

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	08/13/2024	ND	228	114	200	0.244	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	108	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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: 08/13/2024  
 Reported: 08/14/2024  
 Project Name: MCA 2C BATT  
 Project Number: MCA 2C RELEASE  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 15 (H244883-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	08/14/2024	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	08/13/2024	ND	228	114	200	0.244	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	108	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 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: 08/13/2024  
 Reported: 08/14/2024  
 Project Name: MCA 2C BATT  
 Project Number: MCA 2C RELEASE  
 Project Location: LEA COUNTY, NM

Sampling Date: 08/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 17 (H244883-03)**

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	08/13/2024	ND	2.01	101	2.00	0.523		
Toluene*	<0.050	0.050	08/13/2024	ND	2.00	100	2.00	1.73		
Ethylbenzene*	<0.050	0.050	08/13/2024	ND	2.04	102	2.00	2.30		
Total Xylenes*	<0.150	0.150	08/13/2024	ND	6.00	100	6.00	2.41		
Total BTEX	<0.300	0.300	08/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/14/2024	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	08/13/2024	ND	228	114	200	0.244	
DRO >C10-C28*	<10.0	10.0	08/13/2024	ND	215	108	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	08/13/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

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

---

Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

<b>Company Name:</b> <u>Cardinal</u> <b>Project Manager:</b> <u>Chuck Terhune</u> <b>Address:</b> <b>City:</b> <u>State:</u> <u>Zip:</u> <b>Phone #:</b> <u>Fax #:</u> <b>Project #:</b> <u>Project Owner:</u> <b>Project Name:</b> <u>MCA 2C Release</u> <b>Project Location:</b> <u>Lea Co NM</u> <b>Sampler Name:</b> <u>AC</u>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <u>Mavenck</u> <b>Attn:</b> <u>Drye Wagoner</u> <b>Address:</b> <b>City:</b> <u>State:</u> <u>Zip:</u> <b>Phone #:</b> <u>Fax #:</u>		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b>		<b>PRESERVATION</b>	
<b>Lab I.D.</b> <u>1844883</u> <u>SV-8</u> <u>SV-15</u> <u>SV-17</u>		<b>Sample I.D.</b>		<b>DATE</b> <u>8/13</u> <b>TIME</b> <u>1000</u> <u>8/13</u> <u>1100</u> <u>8/13</u> <u>1200</u>	
<b>PLEASE NOTE:</b> Liability and/or damages. Cardinal's liability and client's acceptance remain for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.		<b>(G)RAB OR (C)OMP.</b> <b># CONTAINERS</b> <b>GROUNDWATER</b> <b>WASTEWATER</b> <b>SOIL</b> <b>OIL</b> <b>SLUDGE</b> <b>OTHER:</b> <b>ACID/BASE:</b> <b>ICE / COOL</b> <b>OTHER:</b>		<b>SAMPLING</b>	
<b>Relinquished By:</b> <u>Delores Davis</u> <b>Relinquished By:</b> <u>Delores Davis</u> <b>Date:</b> <u>8/13</u> <b>Time:</b> <u>1315</u> <b>Received By:</b> <u>Shedrick</u> <b>Date:</b> <u>8/13</u> <b>Time:</b> <u>1315</u> <b>Received By:</b> <u>Shedrick</u>		<b>Observed Temp. °C</b> <u>-0.6</u> <b>Corrected Temp. °C</b> <u>-1.2</u> <b>Sample Condition</b> <b>Cool</b> <input checked="" type="checkbox"/> <b>Intact</b> <input checked="" type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Checked By:</b> <u>SG</u>		<b>Turnaround Time:</b> <u>Standard</u> <b>Thermometer ID #140</b> <u>88</u> <b>Correction Factor</b> <u>etc</u> <b>Bacteria (only)</b> <input checked="" type="checkbox"/> <b>Sample Condition</b> <b>Cool</b> <input checked="" type="checkbox"/> <b>Intact</b> <input checked="" type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input type="checkbox"/> <b>Observed Temp. °C</b> <u>24</u> <b>Corrected Temp. °C</b> <u>24</u>	
<b>REMARKS:</b> <u>div 15. stab &amp; tested / jorge fernandez</u> <u>adrian garza &amp; tested</u> <u>4/24/24</u>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>All Results are emailed. Please provide Email address:</b>			

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

Remediation Report and Closure Request  
MCA 2C Injection Header Release  
Incident ID# nAPP2412141144

Maverick Permian, LLC  
January 12, 2026

## **ATTACHMENT 4 – SEED MIXTURE**



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

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
<b>Grasses:</b>			
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
<b>Forbs:</b>			
Firewheel (Gaillardia)	VNS, Southern	1.0	D
Annual Sunflower	VNS, Southern	1.0	D
<b>Shrubs:</b>			
Fourwing Saltbush	VNS, Southern	1.0	F
<b>Total PLS/acre</b>		<b>16.0</b>	

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>.



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

QUESTIONS

Action 542162

**QUESTIONS**

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 542162
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2412141144
Incident Name	NAPP2412141144 MCA UNIT 2C @ J-28-17S-32E
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received

**Location of Release Source***Please answer all the questions in this group.*

Site Name	MCA UNIT 2C
Date Release Discovered	04/26/2024
Surface Owner	Federal

**Incident Details***Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

**Nature and Volume of Release***Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Vandalism   Separator   Crude Oil   Released: 4 BBL   Recovered: 2 BBL   Lost: 2 BBL.
Produced Water Released (bbls) Details	Cause: Vandalism   Separator   Produced Water   Released: 17 BBL   Recovered: 10 BBL   Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Damage to a test separator (vandalism) resulted in the release of crude oil and produced water onto the surface of the pad and adjacent pasture.



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QUESTIONS, Page 2

Action 542162

**QUESTIONS (continued)**

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Chris Straub Title: Contractor Email: <a href="mailto:chris.straub@tetrattech.com">chris.straub@tetrattech.com</a> Date: 01/12/2026
--	--

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QUESTIONS, Page 3

Action 542162

**QUESTIONS (continued)**

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	Action Number: 542162
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	16200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	441
GRO+DRO (EPA SW-846 Method 8015M)	241
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/19/2024
On what date will (or did) the final sampling or liner inspection occur	08/13/2024
On what date will (or was) the remediation complete(d)	08/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	5595
What is the estimated volume (in cubic yards) that will be remediated	1020
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 4

Action 542162

**QUESTIONS (continued)**

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	Action Number: 542162
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Chris Straub Title: Contractor Email: <a href="mailto:chris.straub@tetrattech.com">chris.straub@tetrattech.com</a> Date: 01/12/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 542162

QUESTIONS (continued)

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	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No



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QUESTIONS, Page 6

Action 542162

**QUESTIONS (continued)**

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	Action Number: 542162
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	479347
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/13/2024
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	600

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5995
What was the total volume (cubic yards) remediated	1020
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	None
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Chris Straub Title: Contractor Email: <a href="mailto:chris.straub@tetrattech.com">chris.straub@tetrattech.com</a> Date: 01/12/2026

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QUESTIONS, Page 7  
  
Action 542162

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No



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CONDITIONS

Action 542162

CONDITIONS

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	Action Number: 542162
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/15/2026