



June 18, 2025

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 nAPP2315656545**

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 32.803587°, -103.769366° as shown in **Figure 1**.

BACKGROUND

According to the State of New Mexico C-141 Initial Report, the release was discovered on May 25, 2023. The release occurred from a flange at the connection of a flowline to the header, which failed, causing the release of approximately 190 bbls of produced water into the well pad and open pastureland. The initial response activities recovered 50 bbls of produced water. The release notification was received by the New Mexico Oil Conservation District (NMOCD) on June 05, 2023, and subsequently assigned the release Incident Identification (ID) nAPP2315656545. The release extent is shown in **Figure 2**.

SITE CHARACTERIZATION

Receptors

Tetra Tech performed a site characterization for the release location. It did not identify any watercourses, sinkholes, playas, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains 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

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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 was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and 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 5,513 square feet. Site records show no fluids were recoverable during Maverick's initial response activities. The approximate release area is shown in **Figure 2**.

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 1,020 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 13, 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. Shallow Confirmation sample laboratory analytical results screened against Reclamation Requirements are summarized in **Table 3**, Deep Confirmation sample laboratory analytical results screened against RRALS are summarized in **Table 4**, 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 3**.

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.

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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 (S) 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.

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

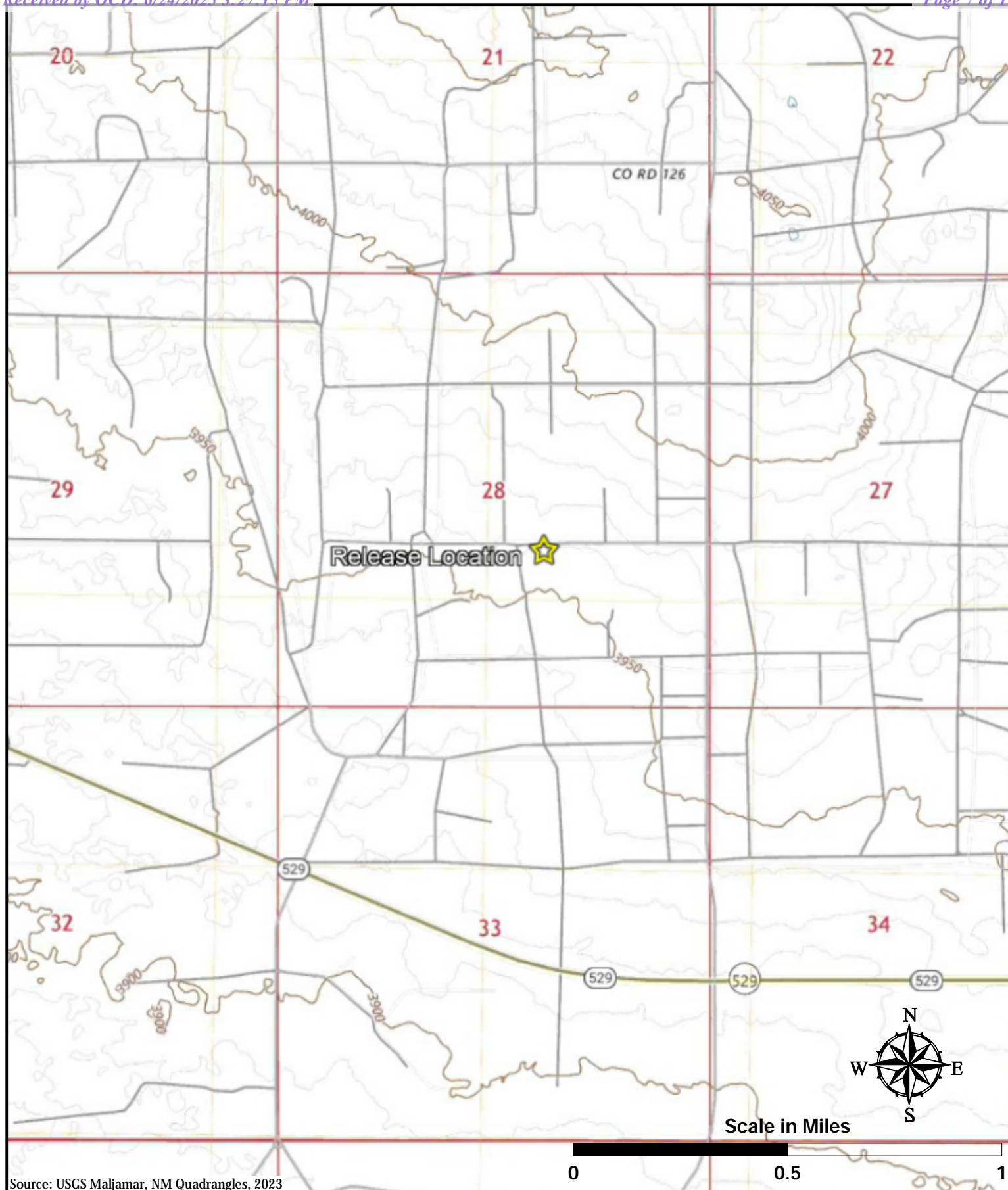
Attachments

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

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FIGURES



Source: USGS Maljamar, NM Quadrangles, 2023

**TETRA TECH**

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

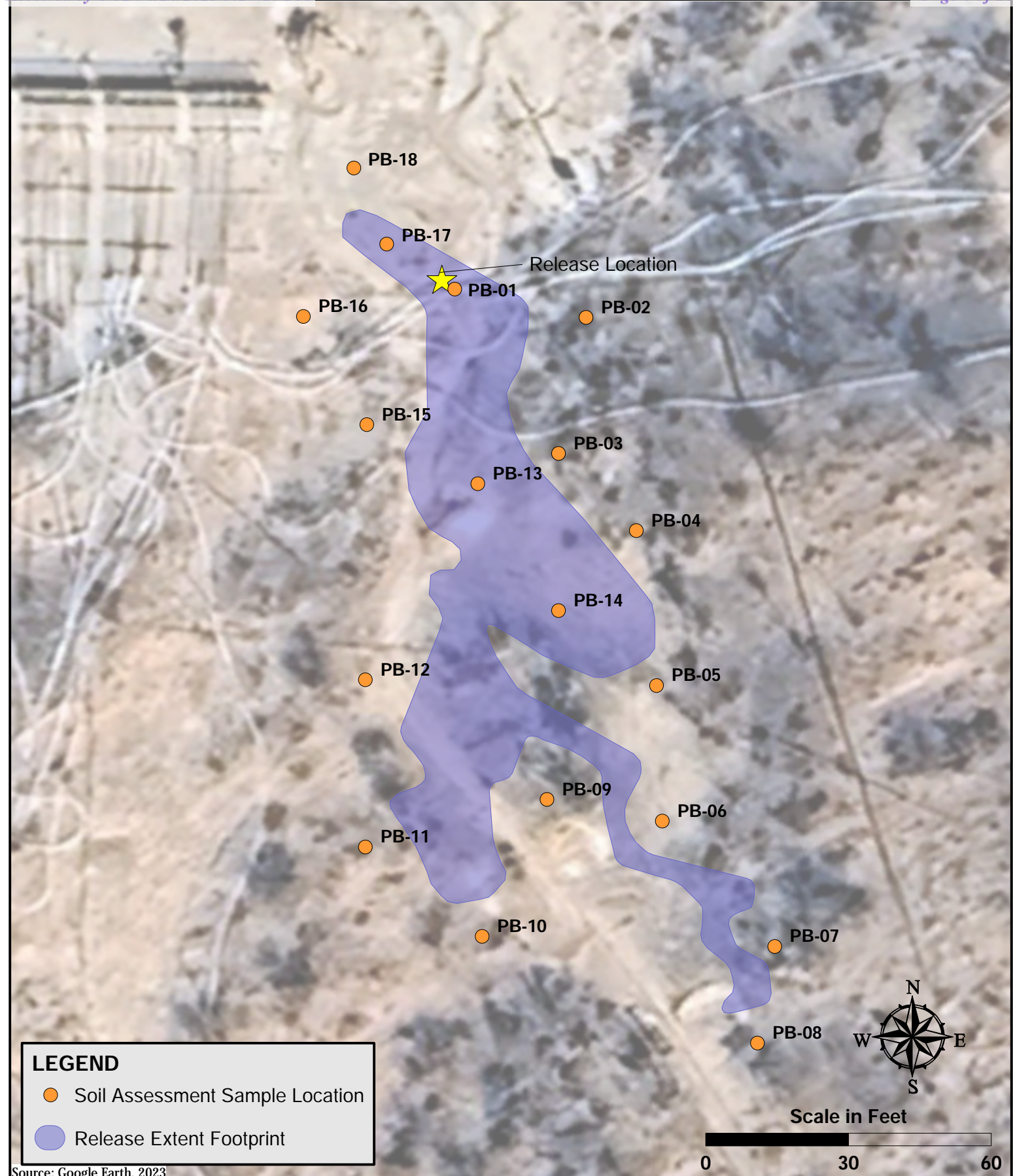
MAVERICK PERMIAN, LLC

NAPP2315656545
32.803587°, -103.769366°
LEA COUNTY, NEW MEXICO

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

PROJECT NO: 212C-MD-03427
DATE: 06/18/2025
DESIGNED BY: CHT

**Figure
1**

**TETRA TECH**

1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC

NAPP2315656545

32.803587°, -103.769366°

LEA COUNTY, NEW MEXICO

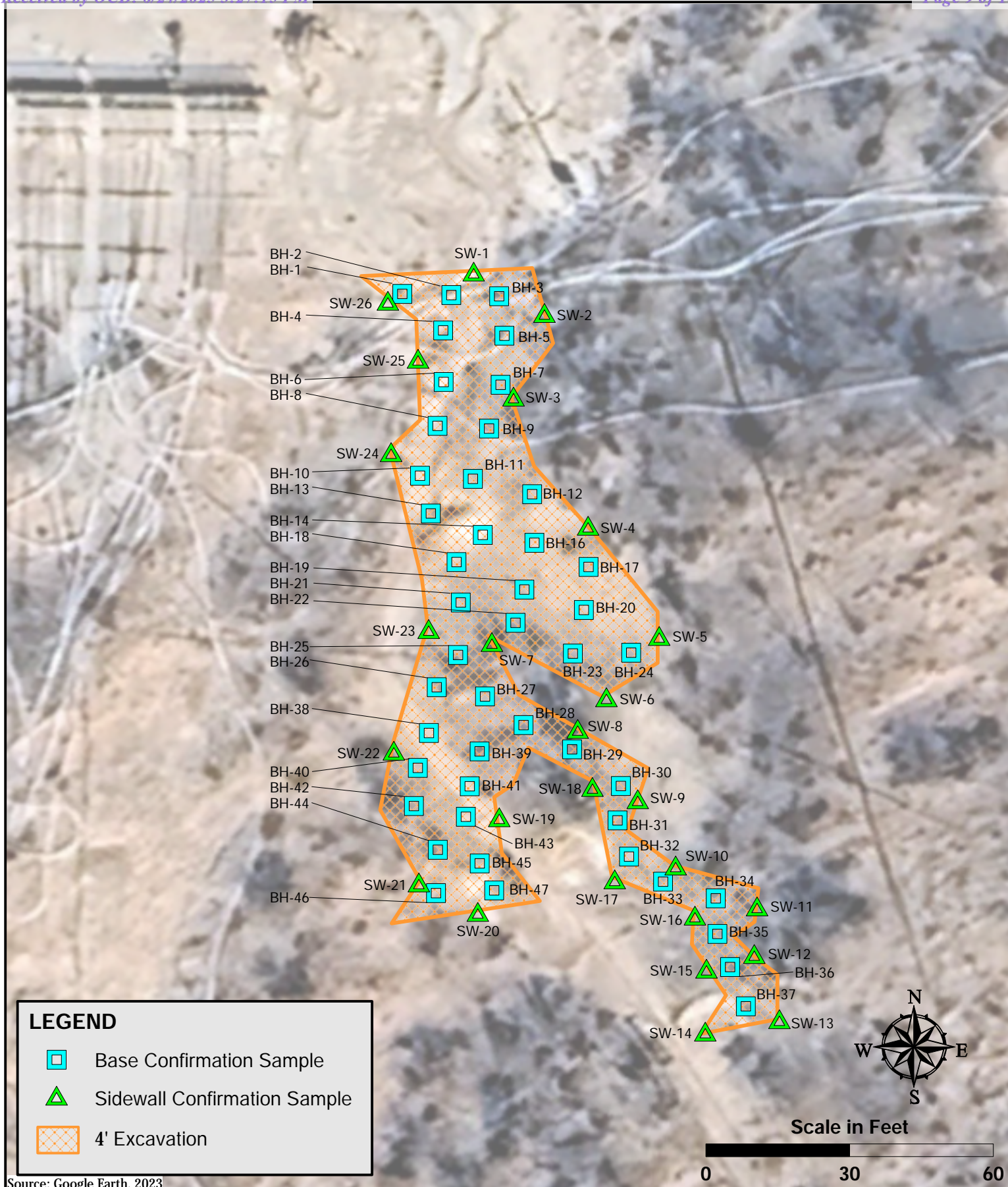
**MCA 2C INJECTION HEADER RELEASE
RELEASE EXTENTS & SITE ASSESSMENT MAP**

PROJECT NO: 212C-MD-03427

DATE: 06/18/2025

DESIGNED BY: CHT

**Figure
2**



1500 CityWest Boulevard
Suite 1000
Houston, Texas 77042

MAVERICK PERMIAN, LLC

NAPP2315656545
32.803587°, -103.769366°
LEA COUNTY, NEW MEXICO

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

PROJECT NO: 212C-MD-03427
DATE: 06/18/2025
DESIGNED BY: CHT

**Figure
3**

Remediation Report and Closure Request
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TABLES

**TETRA TECH**

TABLE 1
SOIL ASSESSMENT LOCATIONS
INCIDENT IDS NAPP2315656545
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 NAPP2315656545
MAVERICK PERMIAN, LLC
MCA UNIT 2C INJECTION HEADER
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					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 ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		C ₆ - C ₁₀		> C ₁₀ - C ₂₈											> C ₂₈ - C ₃₆							
		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 - 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 ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆	(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			-	
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			-	
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			-	
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			10.4	
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			-	
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			-	
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			-	
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			-	
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			-	
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			-	
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			-	
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			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 nAPP2315656545
MAVERICK PERMIAN, LLC
MCA 2C INJECTION HEADER RELEASE
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³									
					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 ₆ - C ₁₀	Q	> C ₁₀ - C ₂₈	Q	> C ₂₈ - C ₃₆	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 SM4500CI-B
2: Method 8021B
3: Method 8015M

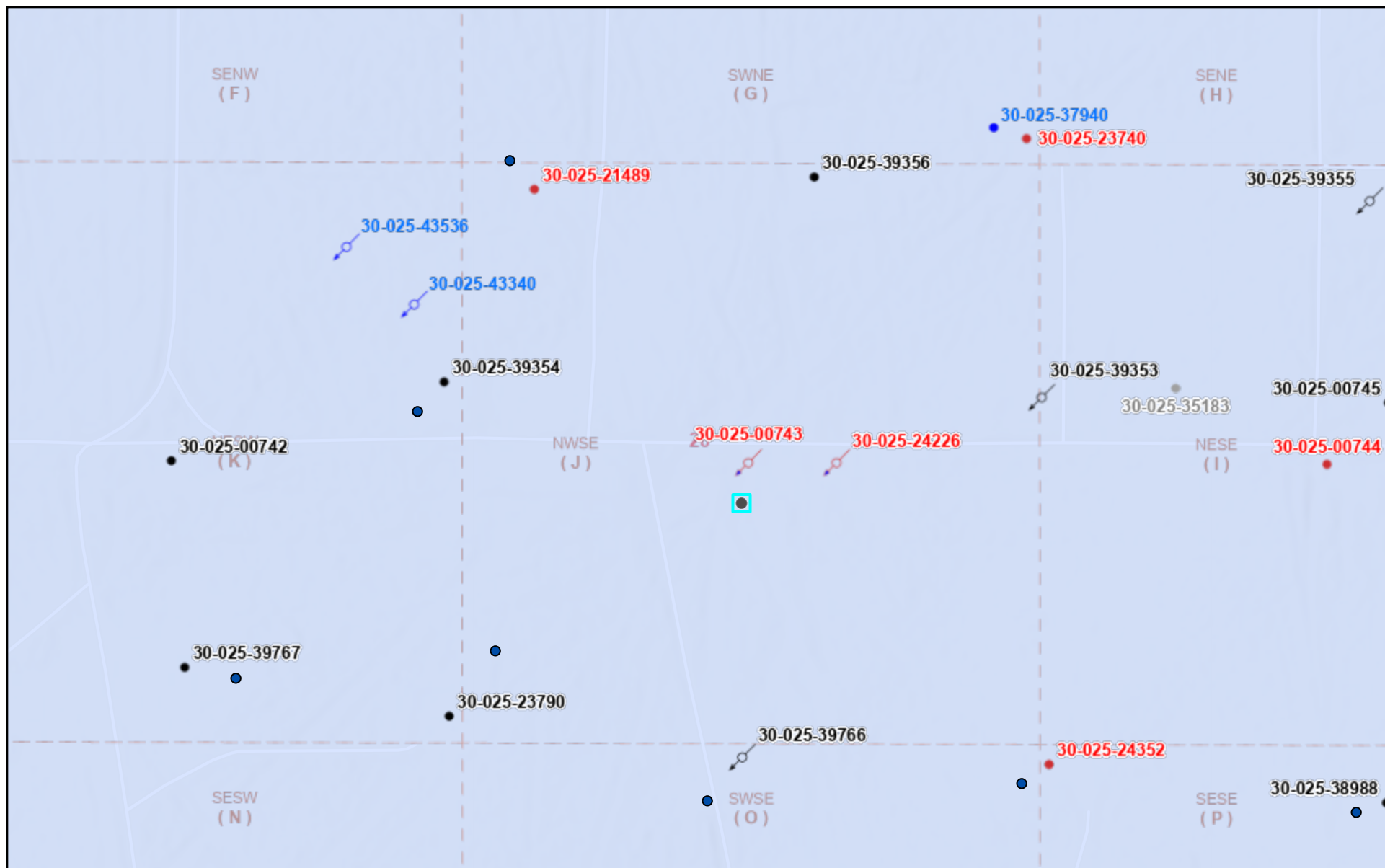
Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.

Remediation Report and Closure Request
MCA 2C Injection Header Release
Incident ID# nAPP2315656545

Maverick Permian, LLC
June 18, 2025

ATTACHMENT 1 – SITE CHARACTERIZATION DATA

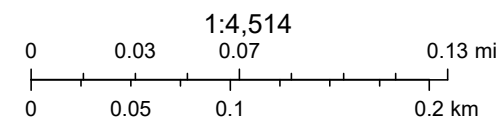
OCD Well Locations



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

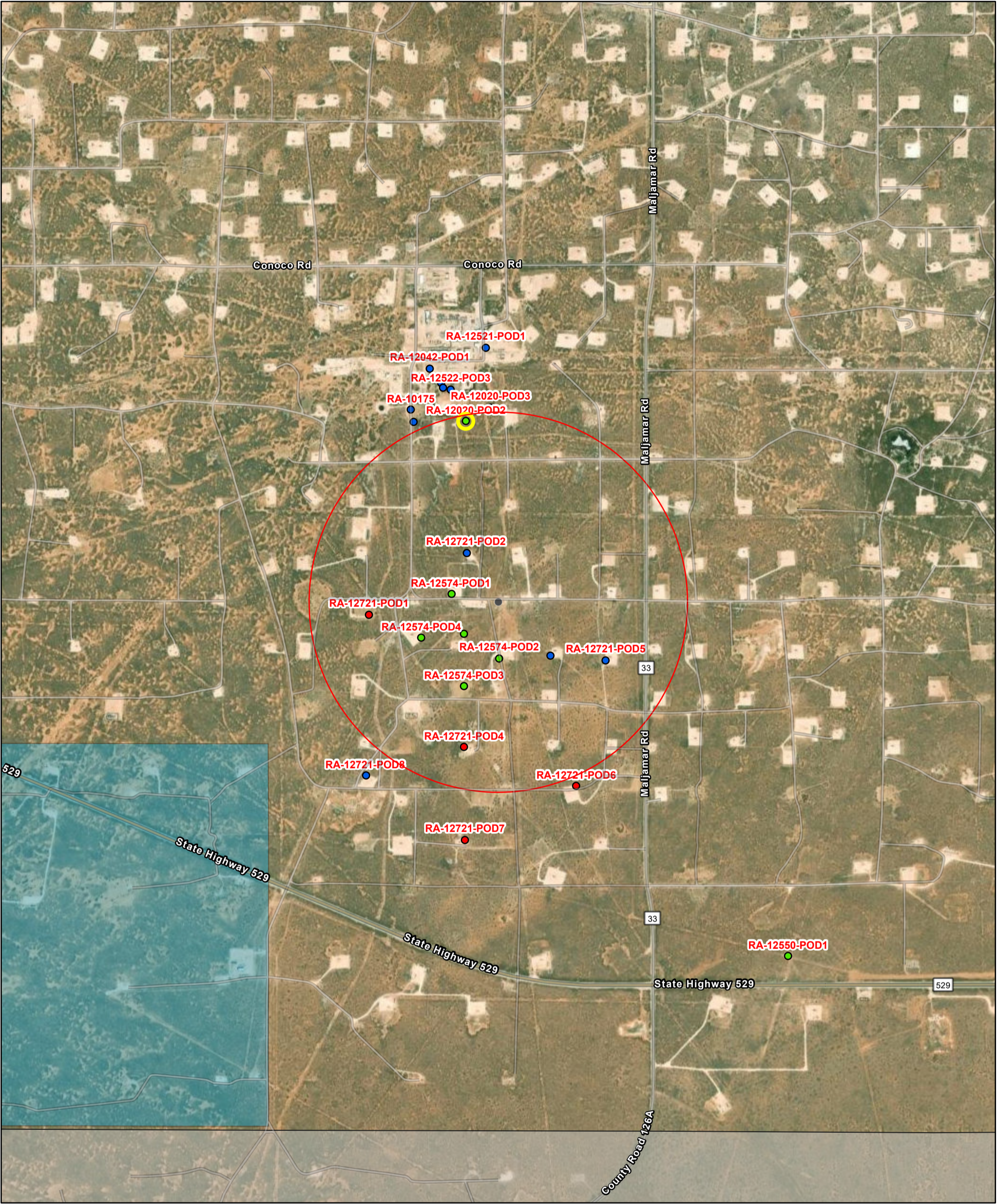


BLM, OCD, New Mexico Tech, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, USGS,

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

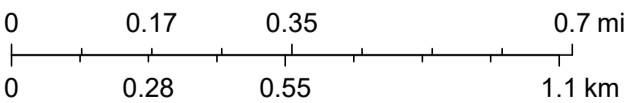
- Active
- Pending
- Plugged

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



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-12	3/26/2024	132.0	Dry	3,931.91	Dry
	6/5/2024	132.0	Dry	3,930.91	Dry
	9/4/2024	132.0	130.21	3,930.91	3,800.70
	12/11/2024	132.0	130.09	3,930.91	3,800.82
MW-13	3/26/2024	132.9	109.36	3,932.32	3,822.96
	6/5/2024	132.9	109.54	3,931.32	3,821.78
	9/4/2024	132.9	109.85	3,931.32	3,821.47
	12/11/2024	132.9	110.05	3,931.32	3,821.27

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)
MW-1	12/9/2014	32.802341	-103.771269	Unknown	Unknown	100
MW-2	9/22/2017	32.804007	-103.771749	40.0	65.0	105
MW-3	9/25/2017	32.801499	-103.769706	40.0	75.0	115
MW-4	9/22/2017	32.800491	-103.771392	40.0	60.0	100
MW-5	9/22/2017	32.802330	-103.773167	40.0	70.0	110
MW-6	4/18/2019	32.803219	-103.775706	40.0	85.0	125
MW-7	4/18/2019	32.805509	-103.771091	40.0	85.0	125
MW-8	4/18/2019	32.801667	-103.767232	30.0	85.0	115
MW-9	4/19/2019	32.798125	-103.771169	40.0	90.0	130
MW-10	4/28/2020	32.801497	-103.764781	40.0	90.0	130
MW-11	4/28/2020	32.796530	-103.766164	40.0	90.0	130
MW-12	4/28/2020	32.794681	-103.771208	40.0	90.0	130
MW-13	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

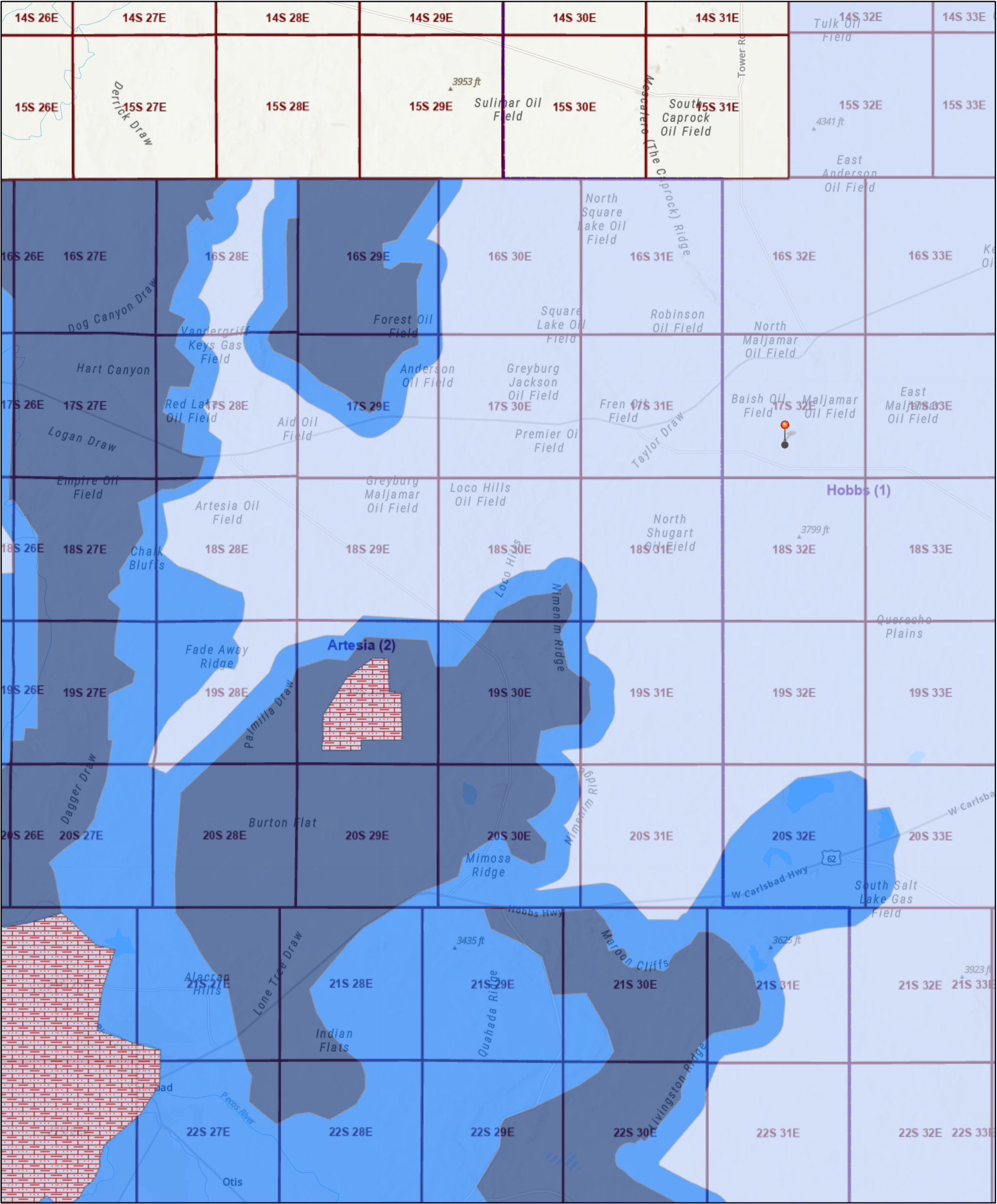
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- 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.


MCA 2C Header Karst Map





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


 Override 1


 High

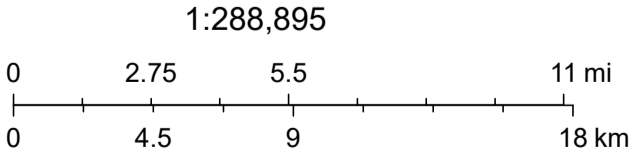
 Medium

 Low

 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 FIRMMette



103°46'29"W 32°48'29"N



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



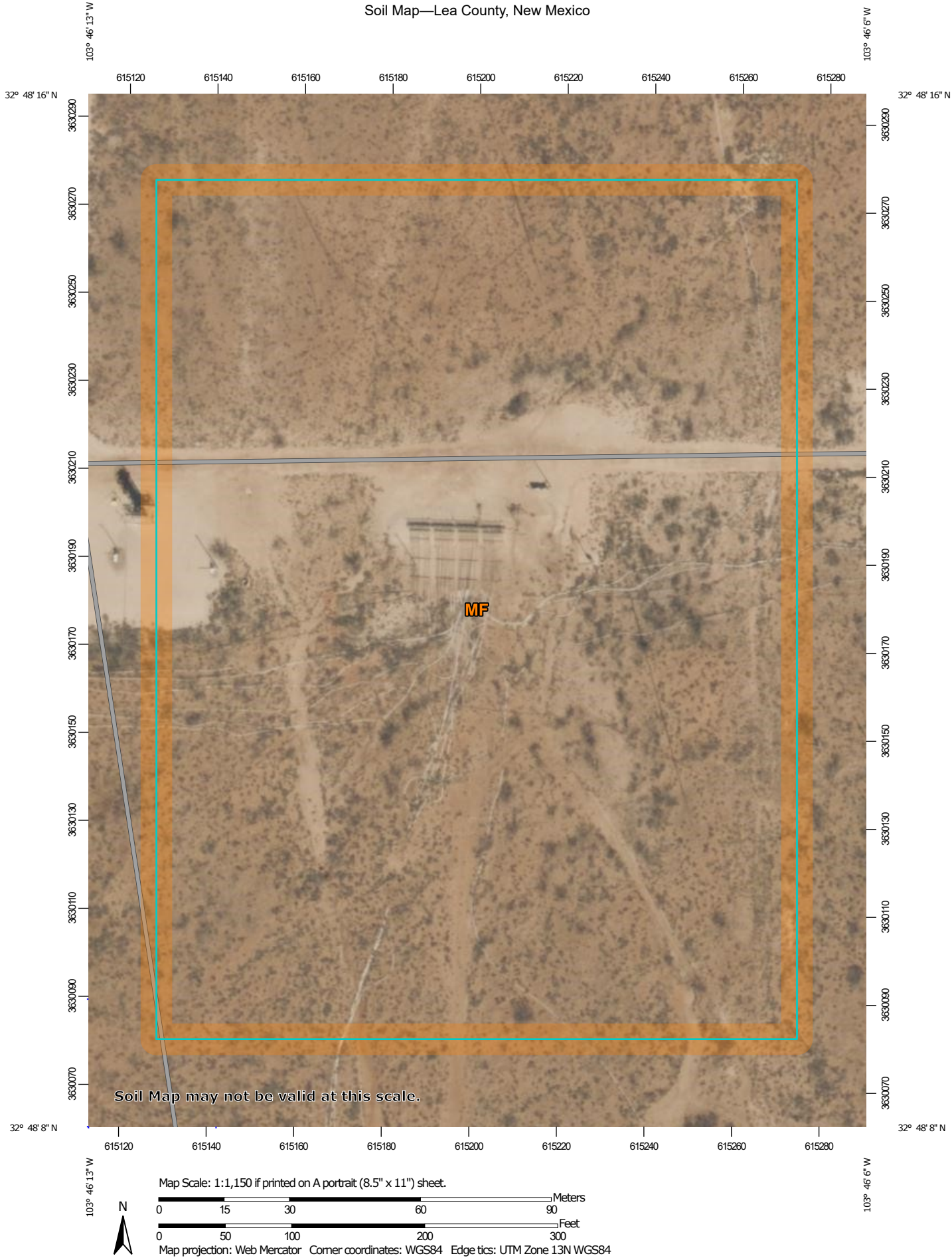
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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# nAPP2315656545

Maverick Permian, LLC
June 18, 2025

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

E

SE

S

SW

90

120

150

180

210

240

☀ 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



☀ 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

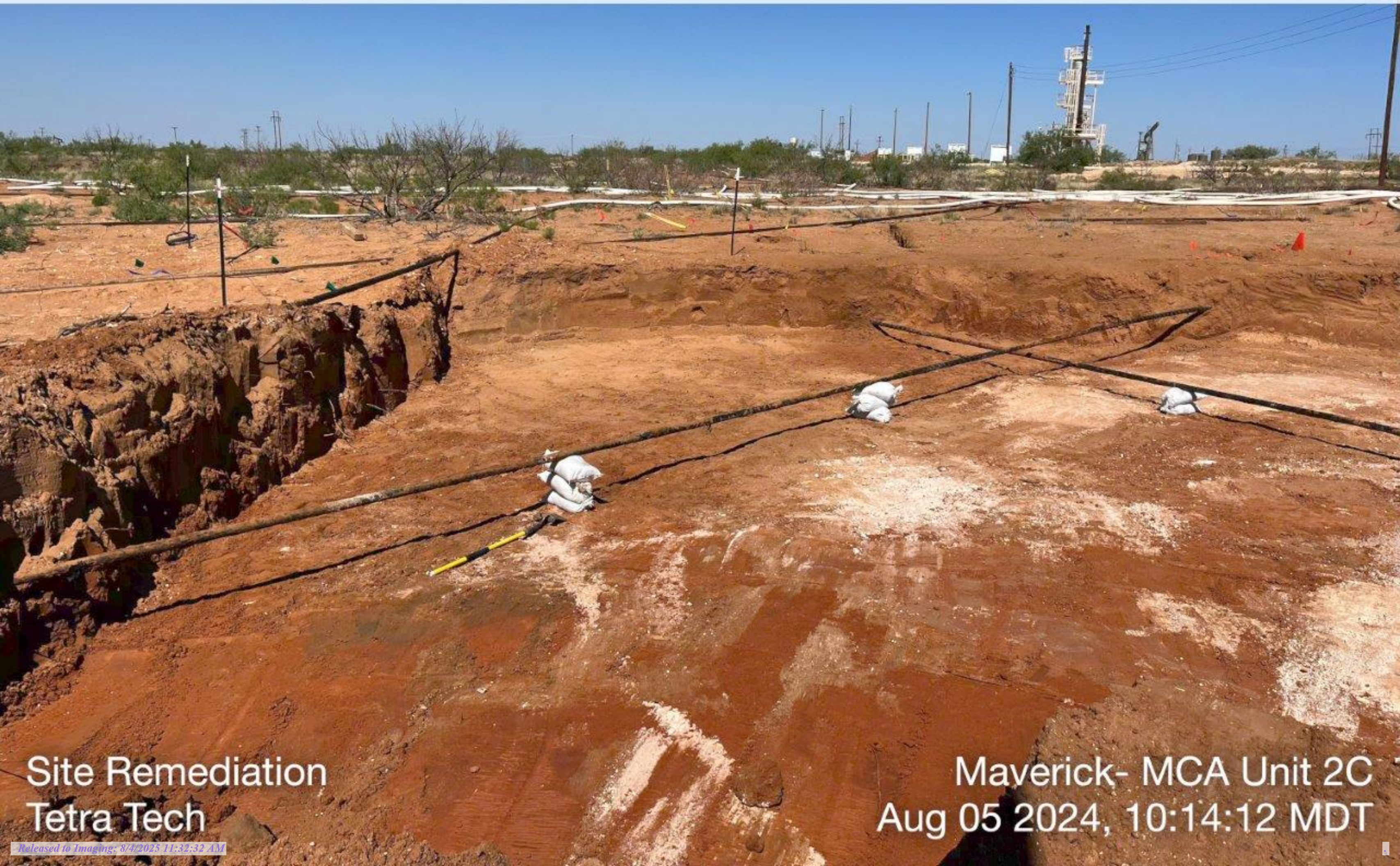


Site Assessment
Tetra Tech

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



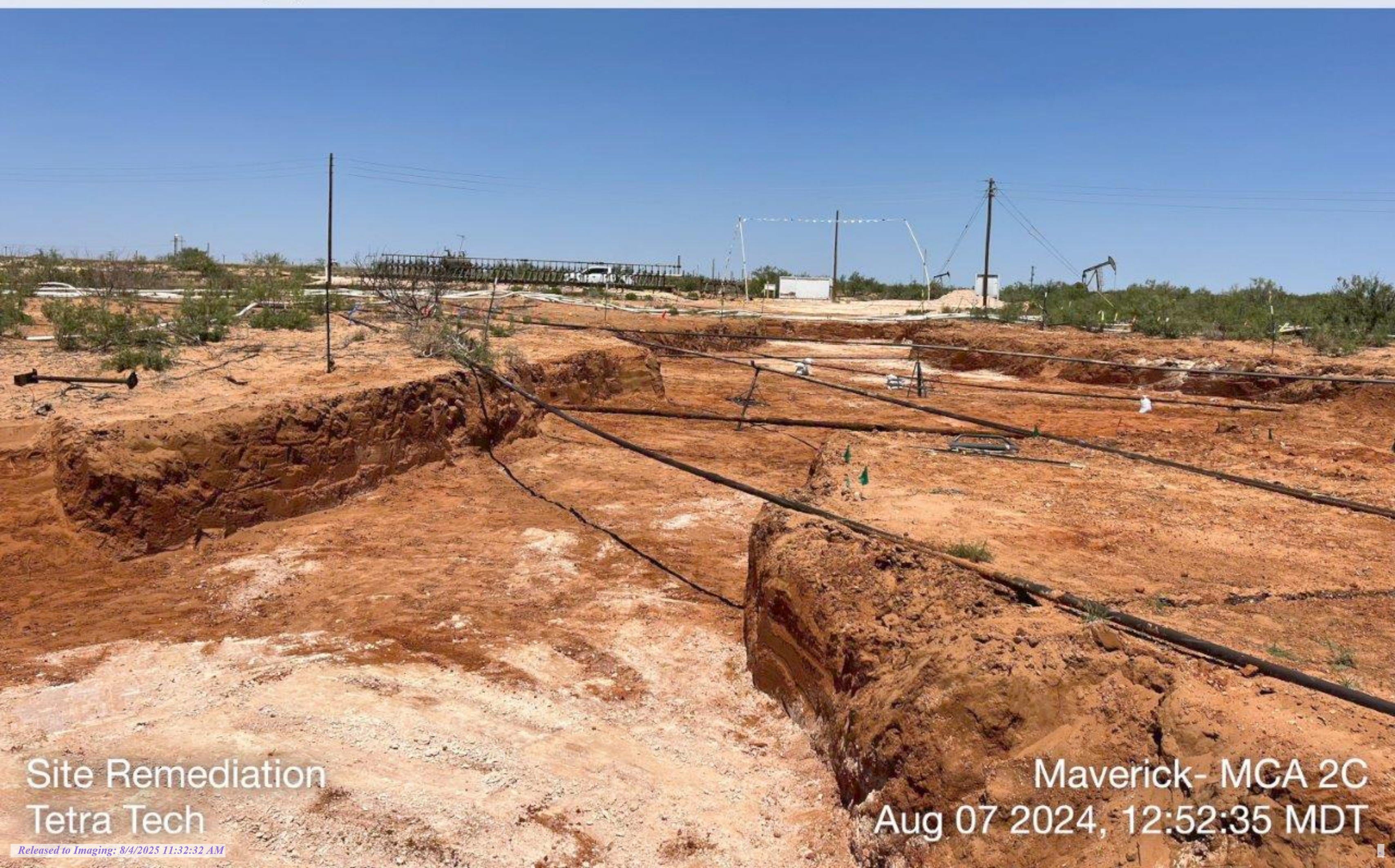
☉ 232°SW (T) LAT: 32.803194 LON: -103.769320 ±4m ▲ 1213m

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



W

NW

N

NE

40

270

300

330

0

30

60

☀ 335°NW (T) LAT: 32.802588 LON: -103.769034 ±3m ▲ 1201m

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



☀ 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# nAPP2315656545

Maverick Permian, LLC
June 18, 2025

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.

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:	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 - 1 (.5-1') (H233736-01)

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, 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

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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 - 2 (2-3') (H233736-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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) 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	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, 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	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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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)

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) 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)

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) 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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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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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, 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	07/20/2023	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)

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	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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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 (.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



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 (2-3') (H233736-13)

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	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	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)

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, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	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
 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 - 8 (2-3') (H233736-16)

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	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	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
 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 - 8 (3-4') (H233736-17)

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	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	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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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 - 9 (.5-1') (H233736-18)

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	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	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, 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 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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	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 - 10 (2-3') (H233736-20)

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	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	<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	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 - 10 (3-4') (H233736-21)

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	07/19/2023	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



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 - 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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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, 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	07/19/2023	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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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)

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	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	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 (.5-1') (H233736-25)

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	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, SM4500Cl-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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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, SM4500Cl-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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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 (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, SM4500Cl-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
 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 (.5-1') (H233736-28)

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	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, SM4500Cl-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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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 (2-3') (H233736-29)

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	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	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 (3-4') (H233736-30)

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	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) 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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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)

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, 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	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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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 (2-3') (H233736-32)

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) 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	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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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 - 16 (.5-1') (H233736-34)

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	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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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)

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	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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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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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 (.5-1') (H233736-37)

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	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



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 (2-3') (H233736-38)

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	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



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	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 (.5-1') (H233736-39)

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) 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	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



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 - 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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 4



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 chuck.terhune@tetratech.com	
Project Location: (county, state)	Lea County, NM	Project #:	212C-HN-02235
Invoice to:	chuck.terhune@tetratech.com		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)		SAMPLING		MATRIX			PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold																							
		YEAR: 2023		WATER	SOIL	HCL	HNO ₃	ICE																																																			
		DATE	TIME																																																								
1	PB-1 (.5-1')	7/18/2023		X			X					X	X																																														
2	PB-2 (.5-1')	7/18/2023		X			X					X	X																																														
3	PB-2 (2-3')	7/18/2023		X			X					X	X																																														
4	PB-3 (.5-1')	7/18/2023		X			X					X	X																																														
5	PB-3 (2-3')	7/18/2023		X			X					X	X																																														
6	PB-4 (.5-1')	7/18/2023		X			X					X	X																																														
7	PB-4 (2-3')	7/18/2023		X			X					X	X																																														
8	PB-5 (.5-1')	7/18/2023		X			X					X	X																																														
9	PB-5 (2-3')	7/18/2023		X			X					X	X																																														
10	PB-6 (.5-1')	7/18/2023		X			X					X	X																																														

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores			Shodkiney	7/18/23	11:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature

5.22

#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 #:

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Analysis Request of Chain of Custody Record

Page 2 of 2

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

Page 44 of 46

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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)		SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTET 8021B	TPH TX1005 (Ext to 1000)	TPH 8015M (GRO 8015M)	PAH 8270C	Total Metals Ag As B	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B	GC/MS Semi. Vol. 8260B	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	General Water Ch	Anion/Cation Balan	Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		YEAR: 2023		WATER	SOIL	HCL	HNO ₃	ICE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

LAB USE ONLY

REMARKS: Standard

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

Sample Temperature

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

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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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 chuck.terhune@tetrattech.com	
Project Location: (county, state)	Lea County, NM	Project #:	212C-HN-02235
Invoice to:	chuck.terhune@tetrattech.com		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Miguel A. Flores
Comments:			

ANALYSIS REQUEST
(Circle or Specify Method No.)

[illegible]

LAB # (LAB USE ONLY)		SAMPLING		MATRIX		PRESERVATIVE METHOD					# CONTAINERS	FILTERED (Y/N)
		YEAR: 2023		WATER	SOIL	HCL	HNO ₃	ICE				
		DATE	TIME									
21	PB-10 (3-4')	7/18/2023		X				X				
22	PB-11 (.5-1')	7/18/2023		X				X				
23	PB-11 (2-3')	7/18/2023		X				X				
24	PB-12 (.5-1')	7/18/2023		X				X				
25	PB-13 (.5-1')	7/18/2023		X				X				
26	PB-13 (2-3')	7/18/2023		X				X				
27	PB-13 (3-4')	7/18/2023		X				X				
28	PB-14 (.5-1')	7/18/2023		X				X				
29	PB-14 (2-3')	7/18/2023		X				X				
30	PB-14 (3-4')	7/18/2023		X				X				

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores			Shediquay	7/18/23	1608
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE
ONLY

Sample Temperature

5.2c
#140

REMARKS:	Standard
----------	----------

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

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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 chuck.terhune@tetrattech.com	
Project Location: (county, state)	Lea County, NM	Project #:	212C-HN-02235
Invoice to:	chuck.terhune@tetrattech.com		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Miguel A. Flores
Comments:			

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
X		X													X					
X		X													X					
X		X													X					
X		X													X					
X		X													X					
X		X													X					
X		X													X					
X		X													X					
X		X													X					

LAB # (LAB USE ONLY)		SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
31	PB-15 (.5-1')	7/18/2023		X				X			
32	PB-15 (2-3')	7/18/2023		X				X			
33	PB-15 (3-4')	7/18/2023		X				X			
34	PB-16 (.5-1')	7/18/2023		X				X			
35	PB-16 (2-3')	7/18/2023		X				X			
36	PB-16 (3-4')	7/18/2023		X				X			
37	PB-17 (.5-1')	7/18/2023		X				X			
38	PB-17 (2-3')	7/18/2023		X				X			
39	PB-18 (.5-1')	7/18/2023		X				X			
40	PB-18 (2-3')	7/18/2023		X				X			

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores			S. Rodriguez	7/18/23	1408
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
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
Sample Temperature 52.2 #140	<input type="checkbox"/> Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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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 08/07/24 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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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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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 - 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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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 - 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
 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 - 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, 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	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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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 - 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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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 - 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, SM4500Cl-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



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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 - 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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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 - 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, SM4500Cl-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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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 - 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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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 - 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, SM4500Cl-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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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, SM4500Cl-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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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 - 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, SM4500CI-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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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 - 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, SM4500Cl-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
 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 - 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, SM4500Cl-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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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, SM4500Cl-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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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 - 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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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
 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 - 17 (4.0') (H244758-27)

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	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, SM4500Cl-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

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: 08/07/2024
 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 - 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, SM4500Cl-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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*=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
 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 - 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, SM4500Cl-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

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:	08/07/2024	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, SM4500Cl-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

Cardinal Laboratories

*=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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 3



Tetra Tech, Inc.

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

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C	281-755-8965 chuck.terhune@tetrattech.com	
Project Location: (county, state)	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@tetrattech.com Jorge.Fernandez@tetrattech.com

LAB # (LAB USE ONLY)		SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)															Hold																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE				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 / 6242	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride		Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Relinquished by: Date: Time: 1402

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

Relinquished by: Date: Time:

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

Received by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature

4.9°C
CP -0.0°C
4.3°C
#140

REMARKS: Standard TAT

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 3 of 3



Tetra Tech, Inc.

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

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C	281-755-8965 chuck.terhune@tetrattech.com	
Project Location: (county, state)	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@tetrattech.com Jorge.Fernandez@tetrattech.com

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)															Hold						
		YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE				BTX 8021B	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		Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance		
		DATE	TIME																														
11	BH-21 (4.0')	8/7/2024	1100	X			X				X	X																					
12	BH-22 (4.0')	8/7/2024	1105	X			X				X	X															X						
13	BH-23 (4.0')	8/7/2024	1107	X			X				X	X															X						
14	BH-24 (4.0')	8/7/2024	1116	X			X				X	X															X						
15	BH-25 (4.0')	8/7/2024	1115	X			X				X	X															X						
16	BH-26 (4.0')	8/7/2024	1135	X			X				X	X															X						
17	BH-27 (4.0')	8/7/2024	1200	X			X				X	X															X						
18	BH-28 (4.0')	8/7/2024	1216	X			X				X	X															X						
19	BH-29 (4.0')	8/7/2024	1215	X			X				X	X															X						
20	BH-30 (4.0')	8/7/2024	1217	X			X				X	X															X						

Relinquished by:

Date: Time: 1403

Relinquished by:

Date: Time: 8-7-24

Received by:

Date: Time: 8-7-24 1403

Relinquished by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

4.9°C
CF-0.4°C
4.3°C
#140

REMARKS: Standard TAT

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record

Page 3 of 3



Tetra Tech, Inc.

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

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C	281-755-8965 chuck.terhune@tetratech.com	
Project Location: (county, state)	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		

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX			PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B / 624	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	Sulfate	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold																								
		YEAR: 2024		WATER	SOIL		HCL	HNO ₃	ICE																																														
		DATE	TIME																																																				
21	BH-11(4.0')	8/7/2024	922	X				X				X	X														X																												
22	BH-12 (4.0')	8/7/2024	925	X					X			X	X														X																												
23	BH-13 (4.0')	8/7/2024	935	X					X			X	X														X																												
24	BH-14 (4.0')	8/7/2024	937	X					X			X	X														X																												
25	BH-15 (4.0')	8/7/2024	942	X					X			X	X														X																												
26	BH-16 (4.0')	8/7/2024	950	X					X			X	X														X																												
27	BH-17 (4.0')	8/7/2024	952	X					X			X	X														X																												
28	BH-18 (4.0')	8/7/2024	955	X					X			X	X														X																												
29	BH-19 (4.0')	8/7/2024	1000	X					X			X	X														X																												
30	BH-20 (4.0')	8/7/2024	1005	X					X			X	X														X																												

Relinquished by:

Date: Time: 1902

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

4.9°C
CF = 0.0°C
4.3°C
#140

REMARKS: Standard TAT

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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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.

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

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

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	
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	QM-07
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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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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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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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



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

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

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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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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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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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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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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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

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

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

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, 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 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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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 - 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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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 "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

Page 1 of 3



Tetra Tech, Inc.

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

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C	281-755-8965 chuck.terhune@tetrattech.com	
Project Location: (county, state)	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@tetrattech.com Jorge.Fernandez@tetrattech.com

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)															Hold								
		YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE			BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - MRO - 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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			
		DATE	TIME																															
1	SW-1	8/8/2024	900	X				X			X	X																						
2	SW-2	8/8/2024	905	X				X			X	X																						
3	SW-3	8/8/2024	910	X				X			X	X																						
4	SW-4	8/8/2024	914	X				X			X	X																						
5	SW-5	8/8/2024	920	X				X			X	X																						
6	SW-6	8/8/2024	925	X				X			X	X																						
7	SW-8	8/8/2024	927	X				X			X	X																						
8	SW-9	8/8/2024	937	X				X			X	X																						
9	SW-10	8/8/2024	937	X				X			X	X																						
10	SW-11	8/8/2024	940	X				X			X	X																						
Relinquished by:		Date:	Time:																															

Relinquished by:

Date: Time: 1534

Relinquished by:

Date: Time: 8-8-24 1535

Relinquished by:

Date: Time:

Received by:

Date: Time: 8-8-24 1535

Received by:

Date: Time:

LAB USE ONLY

Sample Temperature

 4.1 C
 CF-0.0 C
 35C/40

REMARKS:

 Standard TAT
 -NO sample #5 + #6
 Relinquished

☒ 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 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 26 of 27

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C		281-755-8965
Project Location: (county, state)	Lea County, NM	Project #:	212C-MD-03427
Invoice to:	Attn: Chuck Terhune		
Receiving Laboratory:	Cardinal Labs	Sampler Signature:	Jorge Fernandez

chuck.terhune@tetratech.com

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

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)															Hold								
		YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE				BTX 8021B	BTX 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	Sulfate	TDS	General Water Chemistry (see attached list)	Anion/Cation Balance			
		DATE	TIME																																
11	SW-12	8/8/2024	1030	X				X				X	X																						
12	SW-13	8/8/2024	1035	X				X				X	X														X								
13	SW-14	8/8/2024	1040	X				X				X	X														X								
14	SW-15	8/8/2024	1043	X				X				X	X														X								
15	SW-16	8/8/2024	1045	X				X				X	X														X								
16	SW-17	8/8/2024	1050	X				X				X	X														X								
17	SW-18	8/8/2024	1100	X				X				X	X														X								
18	SW-20	8/8/2024	1105	X				X				X	X														X								
19	SW-21	8/8/2024	1108	X				X				X	X														X								
20	SW-22	8/8/2024	1111	X				X				X	X														X								

Relinquished by: _____ Date: _____ Time: 1:52 PM

Relinquished by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1530

Relinquished by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

Relinquished by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

Relinquished by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

Received by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

Received by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

Received by: *Jorge L. Fernandez* Date: 8-8-24 Time: 1535

LAB USE ONLY

Sample Temperature
4.1°C
CF-0.0°C
35.4°F

REMARKS: Standard TAT

☒ 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 #:



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 08/09/24 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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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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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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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	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: 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, SM4500Cl-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	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: 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, SM4500CI-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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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



Tetra Tech, Inc.

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

Client Name:	Maverick Natural Resources	Site Manager:	Chuck Terhune
Project Name:	MCA Unit 2C	281-755-8965 chuck.terhune@tetrattech.com	
Project Location: (county, state)	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@tetrattech.com Jorge.Fernandez@tetrattech.com		

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B (Ext to TPH TX1005)	GRO - 8015M (TPH 8015M)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As B	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 8270C	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate	General Water Chem	Anion/Cation Balance	Hold		
		YEAR: 2024		WATER	SOIL	HCL	HNO ₃	ICE																							
		DATE	TIME																												
1	SW-3	8/9/2024	1000	X				X			X	X													X						
2	SW-6	8/9/2024	1025	X				X			X	X													X						
3	BH-31 (4.0')	8-9-24	930	X				X			X	X												X							
4	BH-32 (4.0')	8-9-24	935	X				X			X	X											X								
																							X								
																							X								
																							X								
																							X								
																							X								
																							X								
																							X								

Relinquished by:	Date:	Time:	1140
<i>[Signature]</i>	8-9-24		
Received by:	Date:	Time:	1140
<i>[Signature]</i>	8-9-24		

LAB USE ONLY	REMARKS:	Standard TAT
Sample Temperature 5.4°C / 41.8°F CF-0.6°C #440	<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	

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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

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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

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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 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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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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By:		Date:	Received By:	Verbal Result:	<input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
		8/12		All Results are emailed. Please provide Email address:	
Relinquished By:		Time:		REMARKS:	
		1500		Chris. straub@tetratexh., jorge.fernandez@tetratexh. adrian.garcia@tetratexh.com	
Relinquished By:		Date:	Received By:		
		8/12/24			
		Time:			
		1511			
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard
	8°C	Cool Intact	(Initials)		Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	FD	Thermometer ID #140	<input type="checkbox"/> Yes <input type="checkbox"/> No
	2°C	<input type="checkbox"/> Yes <input type="checkbox"/> No		Correction Factor -0.6°C	<input type="checkbox"/> Yes <input type="checkbox"/> No
				24 hr.	Observed Temp. °C
					Corrected Temp. °C

~~FORM-006 R 3.5 08/03/24~~

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



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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 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

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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 - 15 (H244883-02)

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	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) 96.5 % 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	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

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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 - 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

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tetra Tech</u>				BILL TO				ANALYSIS REQUEST																
Project Manager: <u>Chuck Terhune</u>				P.O. #:																				
Address:				Company: <u>Maverick</u>																				
City: State: Zip:				Attn: <u>Bryce Wagoner</u>																				
Phone #: Fax #:				Address:																				
Project #: Project Owner:				City:																				
Project Name: <u>MCA 2C Release</u>				State: Zip:																				
Project Location: <u>Lea Co NM</u>				Phone #:																				
Sampler Name: <u>AG</u>				Fax #:																				
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
<u>1244883</u>	<u>SW-8</u>	<u>1</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>X</u>		<u>8/13</u>	<u>1000</u>	<u>BTEX</u>	<u>TPH</u>	<u>chloride</u>							
<u>3</u>	<u>SW-15</u>	<u>1</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>X</u>		<u>8/13</u>	<u>1100</u>	<u>X</u>	<u>X</u>	<u>X</u>							
	<u>SW-17</u>	<u>1</u>	<u>1</u>			<u>X</u>				<u>X</u>	<u>X</u>		<u>8/13</u>	<u>1200</u>	<u>X</u>	<u>X</u>	<u>X</u>							

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Relinquished By: <u>Adrian Garcia</u>	Date: <u>8/15</u>	Received By: <u>Shodriqney</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>1315</u>	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C: <u>-0.66</u>	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	REMARKS: <u>Chris. straub@tetra tech / jorge.fernandez@tetra tech</u>	
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <u>-1.22</u>	Checked By: <u>SR</u> (Initials)	adrian.garcia@tetra tech	
		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>24h</u> <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	
		Thermometer ID #140	Observed Temp. °C	
		Correction Factor °C	Corrected Temp. °C	

FORM-000 R 3.4 07/11/23

↑ 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# nAPP2315656545

Maverick Permian, LLC
June 18, 2025

ATTACHMENT 4 – SEED MIXTURE

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

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

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

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



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 478498

QUESTIONS

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2315656545
Incident Name	NAPP2315656545 MCA 2C HEADER @ 0
Incident Type	Release Other
Incident Status	Remediation Closure Report Received

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

Site Name	MCA 2C HEADER
Date Release Discovered	05/25/2023
Surface Owner	Federal

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

Incident Type	Release Other
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Injection Header Produced Water Released: 190 BBL Recovered: 50 BBL Lost: 140 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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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, Page 2

Action 478498

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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.	

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

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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 06/24/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 478498

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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.

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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
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 ½ and 1 (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	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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.

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

Soil Contamination Sampling: (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

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.

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	5595
What is the estimated volume (in cubic yards) that will be reclaimed	1020
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

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.

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.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 478498

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 06/24/2025
<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 478498

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	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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Action 478498

QUESTIONS (continued)

Operator: Maverick Permian LLC 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 331199
	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	371179
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/16/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

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	5995
What was the total volume (in cubic yards) reclaimed	1020
Summarize any additional remediation activities not included by answers (above)	Excavated impacted soil, replaced with clean soil, prepared seed bed and seeded.
<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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 06/24/2025

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Action 478498

QUESTIONS (continued)

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	Action Number: 478498
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 478498

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
nvez	None	8/4/2025