



July 10, 2025

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

**Re: Remediation Report and Closure Request  
Breitburn Operating, LP  
Cone Jalmat Yates Pool Unit #605  
Unit Letter I, Section 24, Township 22 South, Range 35 East  
Lea County, New Mexico  
NMOCD Incident ID# nGRL0930836303**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was contracted by Breitburn Operating, LP (Breitburn) to assist with the management of a historic release of oil associated with the Cone Jalmat Yates Pool Unit #605 well, Unit Letter I, Section 24, Township 22 South, Range 35 East, in Lea County, New Mexico, originally mapped to the wellhead at coordinates 32.375462°, -103.315773°. (Site). Based on historical aerial images and NMOCD document reviews, the actual release location was identified south of the well head in the pasture at 32.371398°, -103.317585° as shown in **Figure 1**.

## EXECUTIVE SUMMARY

According to the New Mexico Oil Conservation District (NMOCD) online OCD Permitting nGRL0930836303 Incident Details, on October 2, 2009, Breitburn reported that a 3-inch poly flowline ruptured, resulting in the release of 50 barrels (bbls) of oil into a low-lying area south of the well pad. According to the C-141 Initial Report, no fluids were reported as recovered during the initial response.

The site characterization identified no sensitive receptors within the distances prescribed by 19.15.29.11, and depth to groundwater was identified as greater than 100 feet below ground surface, allowing for the use of 19.15.29.12 Table I closure criteria to be used for groundwater greater than 100 feet.

Tetra Tech mobilized to the Site and conducted Site Assessment Sampling of the apparent release footprint to validate the apparent remediation at the apparent release Site. Sample results identified further remediation was required on the southern portion of the release Area as shown in **Figure 2**.

Excavation activities were conducted between March 25 and April 22, 2025, when 700 cubic yards of contaminated soil was excavated. Tetra Tech collected 20 five-point composite floor samples and eight (8) five-point composite side wall samples from the excavated areas. The remediation excavation concluded as shown in **Figure 3** with a total area of 3,929 square feet and a sampling density of approximately one (1) confirmation sample per 200 square feet. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride as less than the respective Reclamation Requirements, demonstrating clean margins. Backfilling of the excavated area was completed with 700 cubic yards of clean topsoil. Tetra Tech returned to the Site on June 20, 2025, to conduct backfill validation sampling of the in-place backfill.

The disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns. The area was then seeded with New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture

**Tetra Tech, Inc.**

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## BACKGROUND

According to the New Mexico Oil Conservation District (NMOCD) online OCD Permitting nGRL0930836303 Incident Details, on October 2, 2009, Breitburn reported that a 3-inch poly flowline ruptured, resulting in the release of 50 barrels (bbls) of oil into a low-lying area south of the well pad. According to the C-141 Initial Report, no fluids were reported recovered during the initial response.

## 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. The site characterization data is included in **Attachment 1**.

### Depth to Groundwater

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geologic Survey (USGS) groundwater databases was completed to determine the proximity of known water sources within a half-mile radius of the Site. The approximate groundwater depth was determined in the area using published water well data. Groundwater well J-00040-POD1 was identified approximately 0.43 miles east of the release location with a depth to groundwater listed as 270 feet below ground surface (bgs).

### Wetlands

Readily available data were reviewed to determine the status of the Site regarding wetland designation or potential wetlands existence. The U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Wetlands Interactive Mapper and the New Mexico OpenEnviroMap were queried to determine if any potential wetlands are mapped near the remediation location. Based on the NWI and OpenEnviroMap review, The Site is not identified as having a mapped wetland within 300 feet of the Site.

### Biologically Sensitive Areas

Readily available data were reviewed to determine if the Site lies within biologically sensitive areas. The U.S. Fish and Wildlife Services (USFWS) Information for Planning and Consultation (IPaC) and the New Mexico Department of Game and Fish (NMDGF) Environmental Review Tool (ERT) were queried to determine if sensitive wildlife or plant areas are present at the Site. The Site is not identified within biologically sensitive areas where remediation would impact sensitive wildlife or plant habitats.

### Cultural Properties Protection

The remediation area at the Site is located in previously disturbed areas developed for oil and gas extraction; however, the NMSLO required a cultural resource survey to be completed for the planned remediation area. Tetra Tech engaged SWCA Environmental Consultants to conduct an intensive archaeological survey/inventory of the Site under NMCRIS Activity Number 158312. SWCA conducted the survey of 4.91 acres containing and surrounding the Site.

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SWCA found no additional investigation or treatment was recommended regarding the remediation activities at the Site. No subsurface cultural materials were encountered during remediation. **Attachment 2** provides the NMCRIS Investigation Abstract Form for NMCRIS Activity Number 158312.

## Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as having Kermit Soils and Dune land, 0 to 12 percent slopes, which is classified as a sand soil type.

## 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 for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX), Total Petroleum Hydrocarbons (TPH) in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site for groundwater greater than 100 feet bgs are as follows:

### Closure Criteria for Soils Impacted by a Release

Constituent	Remediation RRAL
Chloride	20,000 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 NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC), the following Reclamation Requirements for surface soils (0-4 feet bgs) outside of active oil and gas operations 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

## NMOCD-APPROVED SITE ASSESSMENT AND REMEDIATION WORK PLAN

Tetra Tech prepared a Site Assessment and Remediation Work Plan, which was submitted to OCD Permitting online on February 06, 2025, and subsequently approved by the NMOCD on February 07, 2025.

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## Site Assessment Work Plan

Breitburn proposes to mobilize to the Site and conduct Site Assessment Sampling of the release footprint to validate the apparent remediation at the apparent release Site. Soil samples were proposed to be collected with one discrete sample location per 400 square feet across the apparent release. Three (3) samples were proposed to be collected from each sample location at depths of 0-to-1-foot bgs, 2 to 3 feet bgs, and 3 to 4 feet bgs. Samples were submitted for laboratory analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 Cl-B.

## Remediation Work Plan

Based on the analytical results from the assessment, Breitburn excavated and disposed of impacted material within the release and surrounding area until confirmation samples demonstrated impacts above Reclamation Requirements have been remediated in the upper 4 feet and impacts greater than RRALs have been remediated at depths below 4 feet bgs. Site Assessment and Remediation Validation sampling were proposed to guide the actual areas and volumes required for remediation

## Alternative Confirmation Sampling Plan

In accordance with 19.15.29.12(D)(1)(b) NMAC, Breitburn requested an alternative confirmation sampling plan to adhere to NMOCD requirements that included sidewall and base confirmation sampling representative of 400 square feet of any required excavation base or sidewall area. Breitburn proposed to submit samples for laboratory analysis of BTEX by Method 8260B, TPH by Method 8015M, and chloride by Method 4500Cl-B. The NMOCD approved the alternative confirmation sampling plan with the Site Assessment and Remediation Work Plan.

## SITE ASSESSMENT SAMPLING

Tetra Tech mobilized to the Site and conducted Site Assessment Sampling of the apparent release footprint to validate the apparent remediation at the apparent release Site. Soil samples were collected from 16 discrete sample locations across the apparent release. Three (3) samples were proposed were collected from each sample location at depths of 0-1 foot, 2-3 feet, and 3-4 feet bgs. Samples were submitted for laboratory analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 Cl-B.

Samples at BH-6, BH-7, BH-10, BH-11, BH-13, BH-14, BH-15, and BH-16 reported concentrations of TPH and/or chloride as Reclamation Requirement at various depths. Site assessment sampling locations are presented in **Table 1** and **Figure 2**. Site assessment sampling analytical results screened against Reclamation Requirements are presented in **Table 2**, and laboratory analytical reports are provided in **Attachment 3**.

## REMEDICATION AND CONFIRMATION SAMPLING

Excavation activities commenced on March 25, 2025, and concluded on April 22, 2025. Breitburn's subcontractor, McNabb Partners (McNabb), used heavy equipment to excavate impacted soil from the remediation area to a maximum depth of four (4) feet bgs as shown in **Figure 3**. Within the remediation area, to avoid potential contact by heavy equipment with pressurized lines, heavy equipment was maintained at least 2 feet away from pressurized lines where hydro-excavation and hand-digging were employed.

McNabb excavated 700 cubic yards of contaminated soil from an approximately 3,929 square foot area. Photographs of the final excavation are provided in **Attachment 4**.

## Confirmation Sampling Notification

On April 1, 2025, Tetra Tech notified the NMOCD of the initial confirmation sampling through the submission of a C-141N Sampling Notification in the NMOCD Permitting portal. Subsequent C-141N Sampling Notification



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submissions were provided through the NMOCD Permitting portal, up to and including final confirmation sampling at the Site, performed on April 22, 2025. Sampling notification was conducted in accordance with 19.15.29.12(D)(1)(a) NMAC and the Energy, Minerals and Natural Resources Department (EMNRD) *Notice Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions* dated December 1, 2023.

## Confirmation Sampling

Upon reaching the excavation's final lateral and vertical excavation extents, Tetra Tech collected 28 final confirmation samples, including 20 five-point composite floor samples and eight (8) five-point composite side wall samples from the excavated areas. The remediation excavation concluded as shown in **Figure 3** with a total area of 3,929 square feet and a sampling density of approximately one confirmation sample per 200 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 SM4500Cl-B. Laboratory analytical results for final confirmation samples reported concentrations of BTEX, TPH, and chloride as less than the respective Reclamation Requirements, demonstrating clean margins. Confirmation sample laboratory analytical results screened against Reclamation Requirements are summarized in **Table 3**, and laboratory analytical data packages, including chain of custody documentation, are included in **Attachment 3**. Confirmation sampling locations and excavation extents are shown in **Figure 3**.

## Excavation Backfill

On April 25, 2025, subsequent to the receipt of confirmation sample results, McNabb completed the backfilling of the excavated areas with 700 cubic yards of clean topsoil. Photographic documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 4**. Tetra Tech returned to the Site on June 20 to conduct backfill validation sampling of the in-place backfill. The collected composite sample was submitted to Cardinal Laboratory for analysis of BTEX, TPH, and chloride. Backfill validation sampling results demonstrating clean backfill are presented in **Table 4**, and laboratory analytical results are provided in **Attachment 3**.

## Reclamation and Revegetation

To restore the impacted surface areas to the condition that existed prior to the release, the excavated areas have been backfilled with clean topsoil, and disturbed areas of impacted pastureland have been graded back to match the surrounding topography and the pre-existing condition to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns.

Subsequent to restoring topography and contouring, the disturbed areas of the Site shown in **Figure 3** were seeded with New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture in accordance with the Site soil profile detailed above in the Site Characterization Section, to aid in vegetation growth to complete reclamation. Seeding was conducted via broadcast at the application rates specified for broadcast application in pounds pure live seed per acre according to the NMSLO Seed Mix Sandy (S) data sheet provided in **Attachment 5**.

## 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 topsoil, and the pasture has been reclaimed; therefore, Site remediation and reclamation is 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

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remediation activities for the Site, please contact Chuck Terhune by phone at (281) 252-2093 or by email at [chuck.terhune@tetrattech.com](mailto:chuck.terhune@tetrattech.com).

Sincerely,



Chris Straub  
Project Manager  
Tetra Tech, Inc.



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

cc: Mr. Bryce Wagoner, Breitburn Operating, LP  
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 – Remediation Extents and Confirmation Sampling Map

### Tables

- Table 1 – Site Assessment Locations
- Table 2 – Summary of Analytical Results – Site Assessment Sampling
- Table 3 – Summary of Analytical Results – Remediation Confirmation Sampling
- Table 4 – Summary of Analytical Results – Backfill Validation Sampling

### Attachments

- Attachment 1 – Site Characterization Data
- Attachment 2 – Archaeological Survey Abstract Form
- Attachment 3 – Laboratory Data
- Attachment 4 – Photographic Log
- Attachment 5 – Seed Mixture

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## FIGURES



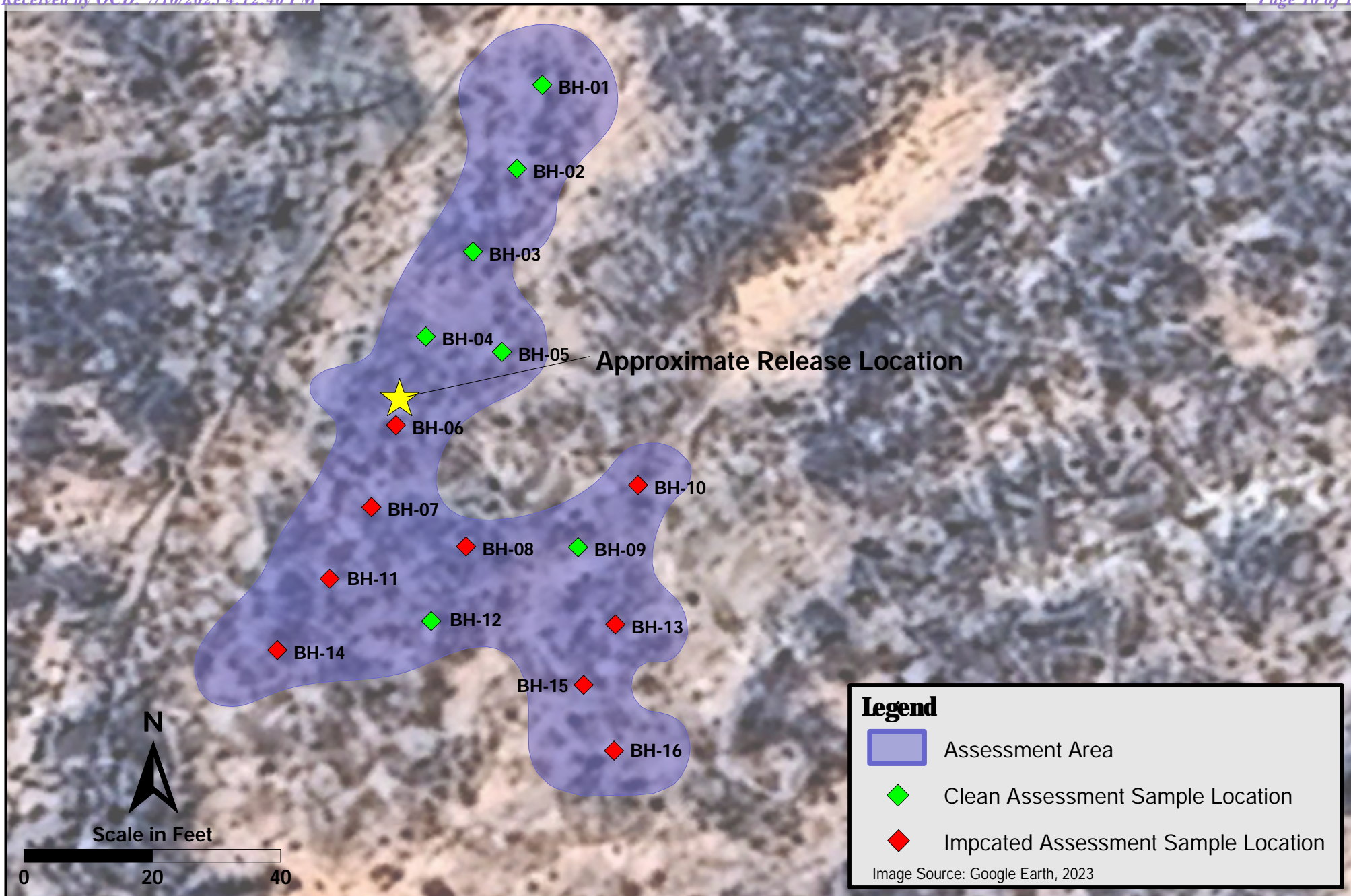
1500 CityWest Boulevard  
Suite 1000  
Houston, Texas 77042

**BREITBURN OPERATING, LP**  
INCIDENT ID: NGRL0930836303  
(32.371398°,-103.317585°)  
Lea County, New Mexico  
**CONE JALMAT YATES POOL UNIT RELEASE**  
**SITE LOCATION AND TOPOGRAPHIC MAP**

PROJECT NO:	212C-MD-03834
DATE:	June 9, 2025
DESIGNED BY:	CHT

## Figure 1





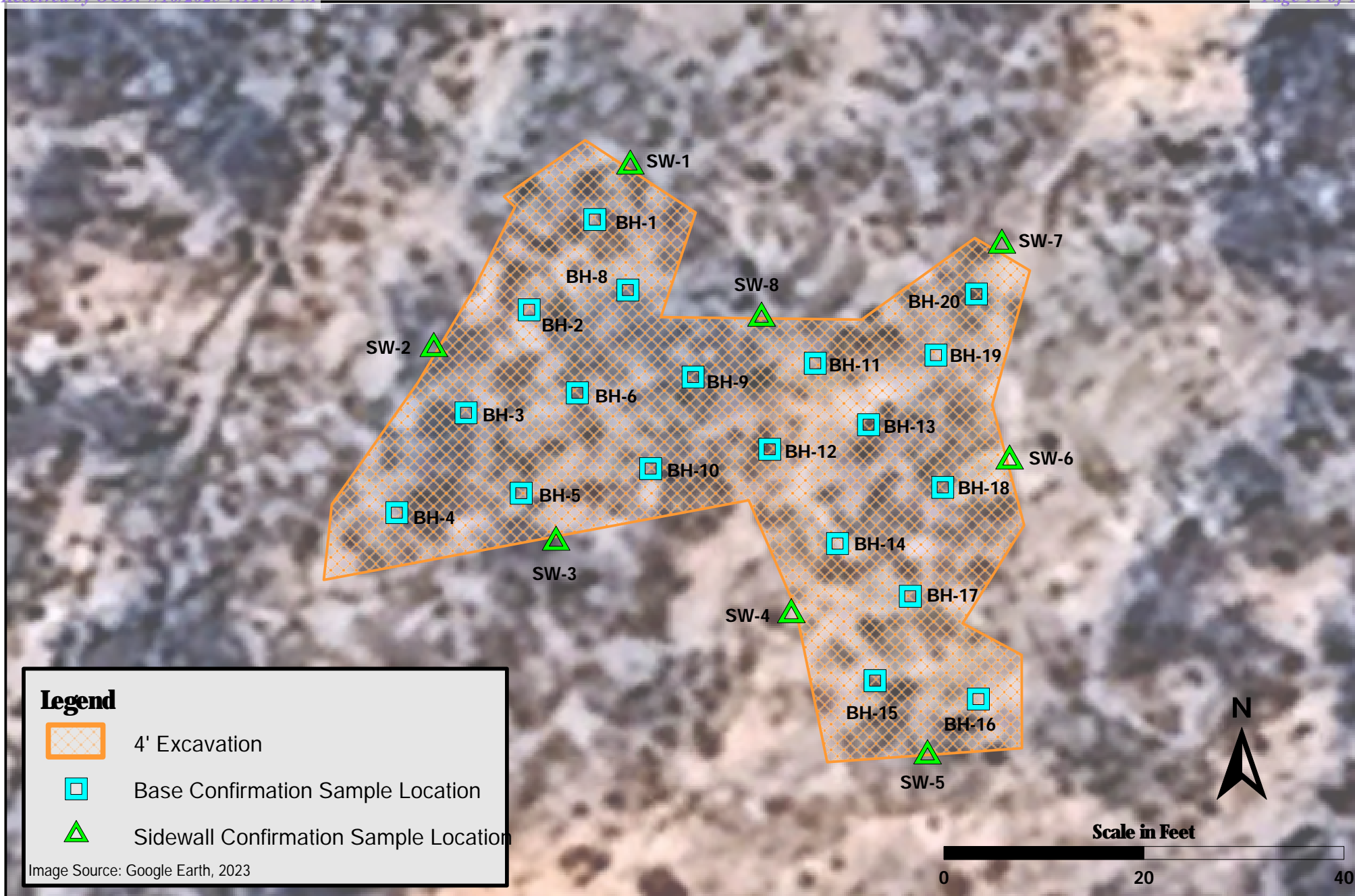
1500 CityWest Boulevard  
Suite 1000  
Houston, Texas 77042

**BREITBURN OPERATING, LP**  
INCIDENT ID: NGRL0930836303  
(32.371398°,-103.317585°)  
Lea County, New Mexico  
**CONE JALMAT YATES POOL UNIT RELEASE  
REMEDATION EXTENT MAP**

PROJECT NO: 212C-MD-03834  
DATE: JULY 9, 2025  
DESIGNED BY: CHT

**Figure  
2**





1500 CityWest Boulevard  
 Suite 1000  
 Houston, Texas 77042

**BREITBURN OPERATING, LP**  
 INCIDENT ID: NGRL0930836303  
 (32.371398°, -103.317585°)  
 Lea County, New Mexico

**CONE JALMAT YATES POOL UNIT RELEASE**  
**REMEDATION EXTENTS AND CONFIRMATION SAMPLING MAP**

**Figure**  
**3**

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## TABLES

**TETRA TECH****TABLE 1**

**SOIL ASSESSMENT LOCATIONS  
INCIDENT ID NGRL0930836303  
BRETBURN OPERATING, LP  
CONE JALMAT YATES POOL UNIT #605 RELEASE  
LEA COUNTY, NEW MEXICO**

Boring ID	Date	Latitude	Longitude
BH-1	4/7/2025	-103.317504	32.371518
BH-2	4/7/2025	-103.317504	32.371518
BH-3	4/7/2025	-103.317504	32.371518
BH-4	4/7/2025	-103.317435	32.371468
BH-5	4/7/2025	-103.317435	32.371468
BH-6	4/7/2025	-103.317464	32.371478
BH-7	4/7/2025	-103.317464	32.371478
BH-8	4/7/2025	-103.317440	32.371424
BH-9	4/7/2025	-103.317440	32.371424
BH-10	4/7/2025	-103.317440	32.371424
BH-11	4/7/2025	-103.317464	32.371478
BH-12	4/7/2025	-103.317395	32.371329
BH-13	4/7/2025	-103.317395	32.371329
BH-14	4/7/2025	-103.317464	32.371478
BH-15	4/7/2025	-103.317395	32.371329
BH-16	4/7/2025	-103.317440	32.371424



**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SOIL ASSESSMENT SAMPLING - INCIDENT nGRL0930836303**  
**BREITBURN OPERATING, LP**  
**CONE JALMAT YATES POOL UNIT #605 RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		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	(GRO+DRO+EXT DRO)	mg/kg
Reclamation Requirements (19.15.29 NMAC)			600		10								50								100	
BH 1 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 1 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 1 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 2 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		14.6		<10.0		14.6	
BH 2 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 2 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 3 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 3 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 3 ( 3-4' )	4/7/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 4 ( 0-1' )	4/7/2025	0.0 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 4 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.4		12.9		35.3	
BH 4 ( 3-4' )	4/7/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 5 ( 0-1' )	4/7/2025	0.0 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 5 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 5 ( 3-4' )	4/7/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 6 ( 0-1' )	4/7/2025	0.0 - 1.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 6 ( 1-2' )	4/7/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 6 ( 3-4' )	4/7/2025	3.0 - 4.0	656		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 7 ( 0-1' )	4/7/2025	0.0 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 7 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		33.7		22.7		56.4	
BH 7 ( 3-4' )	4/7/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		80.3		69.5		149.8	
BH 8 ( 0-1' )	4/7/2025	0.0 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		104		71.9		176	
BH 8 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1,600		705		2,305	
BH 8 ( 3-4' )	4/7/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		35.9		17.7		53.6	
BH 9 ( 0-1' )	4/7/2025	0.0 - 1.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 9 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 9 ( 3-4' )	4/7/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 10 ( 0-1' )	4/7/2025	0.0 - 1.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 10 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 10 ( 3-4' )	4/7/2025	3.0 - 4.0	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 11 ( 0-1' )	4/7/2025	0.0 - 1.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		1,010		525		1,535	
BH 11 ( 1-2' )	4/7/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		56.8		27		83.8	
BH 11 ( 3-4' )	4/7/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 12 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 12 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.3		14		30.3	
BH 12 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 13 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		36.5		20		56.5	



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT SAMPLING - INCIDENT nGRL0930836303  
BREITBURN OPERATING, LP  
CONE JALMAT YATES POOL UNIT #605 RELEASE  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	(GRO+DRO+EXT DRO)	mg/kg	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	
BH 13 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		5,710		1,580		7,290	
BH 13 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		843		299		1,142	
BH 14 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		159		79.1		238	
BH 14 ( 1-2' )	4/7/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		3,540		1,080		4,620	
BH 14 ( 3-4' )	4/7/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		24.3		16.6		40.9	
BH 15 ( 0-1' )	4/7/2025	0.0 - 1.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 15 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		16.5		16.9		33.4	
BH 15 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		78.6		38.7		117.3	
BH 16 ( 0-1' )	4/7/2025	0.0 - 1.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 16 ( 1-2' )	4/7/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		25.1		30.6		55.7	
BH 16 ( 3-4' )	4/7/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		103		54.5		157.5	

## 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).**



**TABLE 3**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SOIL CONFIRMATION SAMPLING - INCIDENT nGRL0930836303**  
**BREITBURN OPERATING, LP**  
**CONE JALMAT YATES POOL UNIT #605 RELEASE**  
**LEA COUNTY, NEW MEXICO**

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>								
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH		
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	> C <sub>10</sub> - C <sub>28</sub>	Q	> C <sub>28</sub> - C <sub>36</sub>	Q	(GRO+DRO+EXT DRO)
Reclamation Requirements (19.15.29 NMAC)			600		10								50										100
BH 1 (4')	4/17/2025	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 2 (4')	4/17/2025	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 3 (4')	4/17/2025	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 4 (4')	4/17/2025	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		11.1		<10.0		<10.0		11.1
BH 5 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		51.5		35.7				87.2
BH 6 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 7 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 8 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 9 (4')	4/17/2025	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 10 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		42.5		29				71.5
BH 11 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		37.7		27.2				64.9
BH 12 (4')	4/17/2025	4.0 - 4.5	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 13 (4')	4/17/2025	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 14 (4')	4/17/2025	4.0 - 4.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		40.1		33.5				73.6
BH 15 (4')	4/17/2025	4.0 - 4.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 18	4/22/2025	4.0 - 4.5	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 19	4/22/2025	4.0 - 4.5	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
BH 20	4/22/2025	4.0 - 4.5	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 1	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 2	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 3	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 4	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 5	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 6	4/22/2025	0.0 - 0.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 7	4/22/2025	0.0 - 0.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-
SW 8	4/17/2025	0.0 - 0.5	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		<10.0		-

**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  
BACKFILL VALIDATION SAMPLING - INCIDENT NGRL0930836303  
BREITBURN OPERATING, LP  
CONE JALMAT YATES POOL UNIT #605 RELEASE  
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride <sup>1</sup>		BTEX <sup>2</sup>										TPH <sup>3</sup>							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
					mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C <sub>6</sub> - C <sub>10</sub>	Q	> C <sub>10</sub> - C <sub>28</sub>	Q	> C <sub>28</sub> - C <sub>36</sub>	Q	(GRO+DRO+EXT DRO)	Q
		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	Q
<b>Reclamation Requirements (19.15.29 NMAC)</b>			<b>600</b>		<b>10</b>								<b>50</b>								<b>100</b>	
CS 1	6/20/2025	0.0 - 4.0	32		<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 Hydrocarbon      ORO: Oil Range Organics      3: Method 8015M

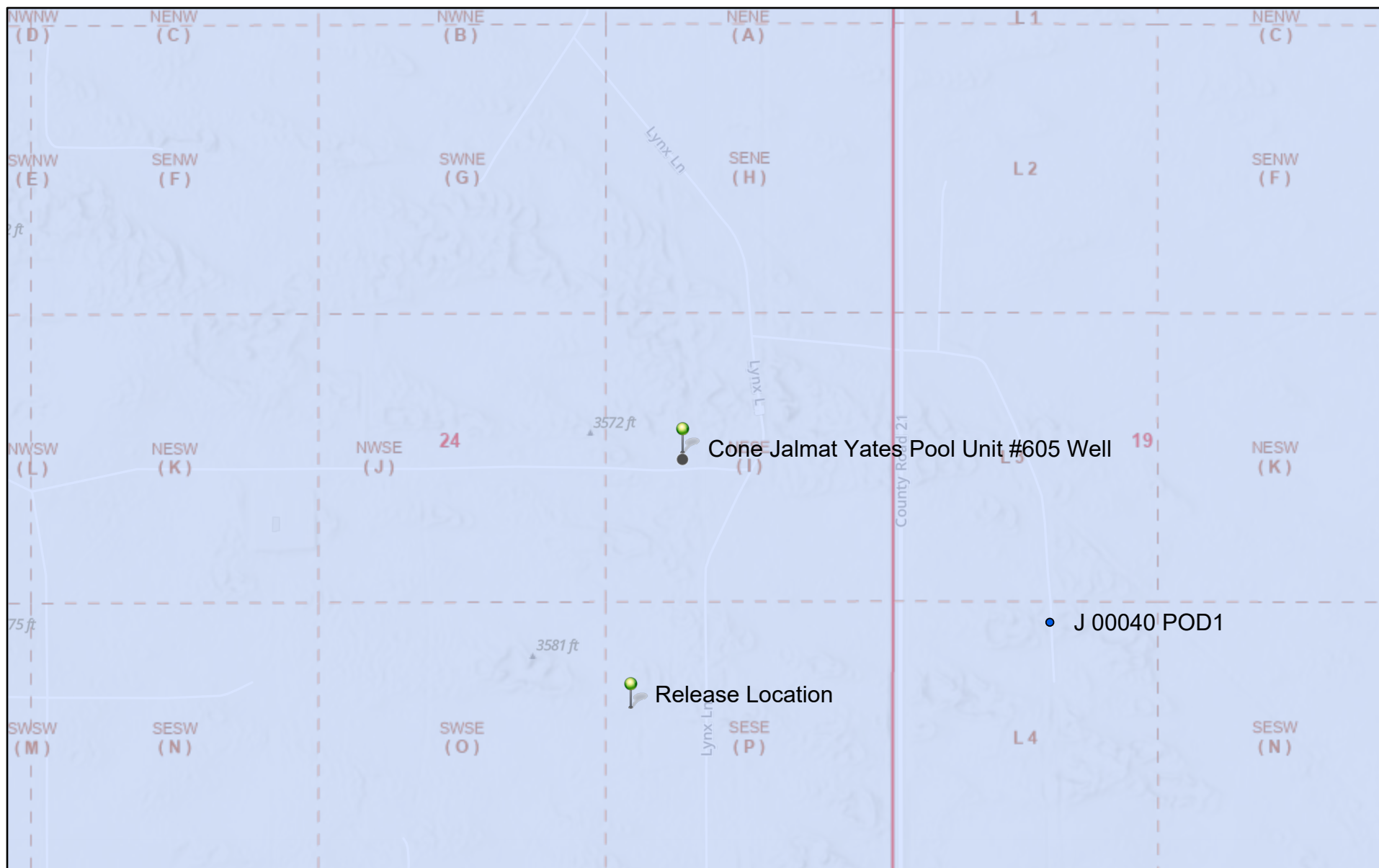
**Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).**

Remediation Report and Closure Request  
Cone Jalmat Yates Pool Unit #605  
Incident ID# nGRL0930836303

Breitburn Operating, LP  
July 10, 2025

## ATTACHMENT 1 – SITE CHARACTERIZATION DATA

## Cone Jalmat Yates Pool Unit #605



12/6/2024, 2:58:20 PM



Override 1



OSE Water PODs

Karst Occurrence Potential



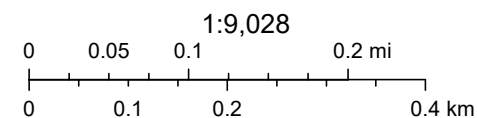
Low



PLSS Second Division



PLSS First Division

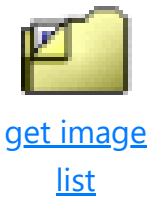


BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, USGS, OCD, Esri Community Maps Contributors, New Mexico State University,

New Mexico Oil Conservation Division


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

# Water Right Summary




WR File Number:	J 00040	Subbasin:	J	Cross Reference:
Primary Purpose:	EXP EXPLORATION			
Primary Status:	PMT Permit			
Total Acres:		Subfile:		Header:
Total Diversion:	0.000	Cause/Case:		
Owner:	GLORIETA GEOSCIENCE INC	Owner Class:	Agent	
Contact:	ARIEL O'CALLAGHAN			
Owner:	CITY OF JAL	Owner Class:	Owner	
Contact:	STEPHEN ALDRIDGE			

## Documents on File

										(acre-fee
Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	
 <a href="#">_get images</a>	<a href="#">652646</a>	EXPL	2019-06-17	PMT	APR	J 00040 POD1	T	0.000	0.000	

## Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
<a href="#">J 00040 POD1</a>	NA		SE	NW	SW	18	26N	36E	658962.2	3583082.0		

\* UTM location was derived from PLSS - see Help


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

# Point of Diversion Summary

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

quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
NA	J 00040 POD1	SE	NW	SW	18	26N	36E	658962.2	3583082.0	

\* UTM location was derived from PLSS - see Help

Driller License:	1723	Driller Company:	SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.						
Driller Name:	STEWART, RANDAL P.EE.NER								
Drill Start Date:	2019-07-14	Drill Finish Date:	2019-07-14				Plug Date:	2019-07-14	
Log File Date:	2020-01-02	PCW Rcv Date:					Source:		
Pump Type:		Pipe Discharge Size:					Estimated Yield:		
Casing Size:		Depth Well:					Depth Water:	270	

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





## Cone Jalmat YP Unit #605



December 6, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

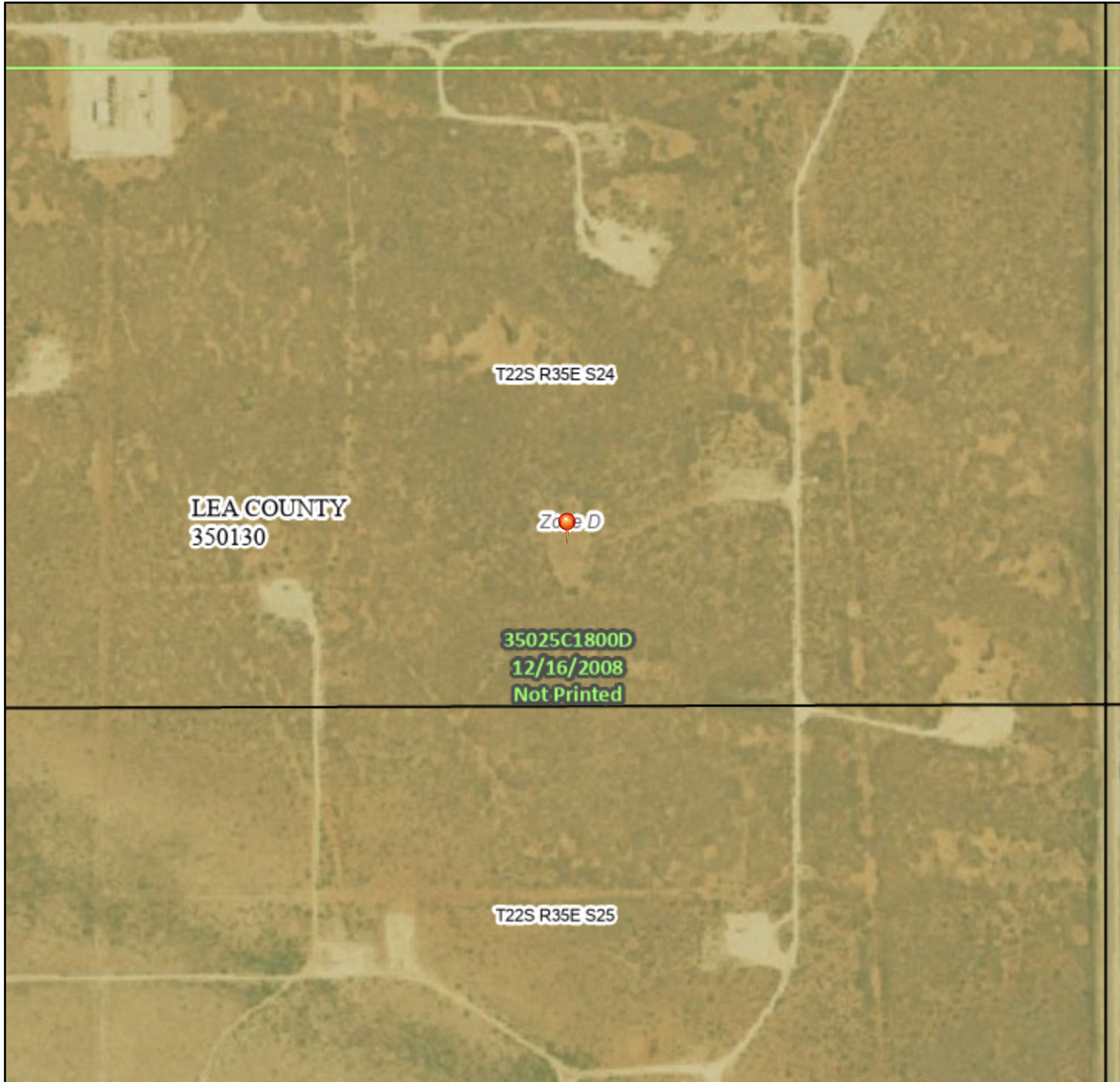
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMette



103°19'22"W 32°22'32"N



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

1:6,000

103°18'44"W 32°22'1"N

Released to Imaging: 9/4/2025 3:34:49 PM

Basemap Imagery Source: USGS National Map 2023

## Legend

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

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



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

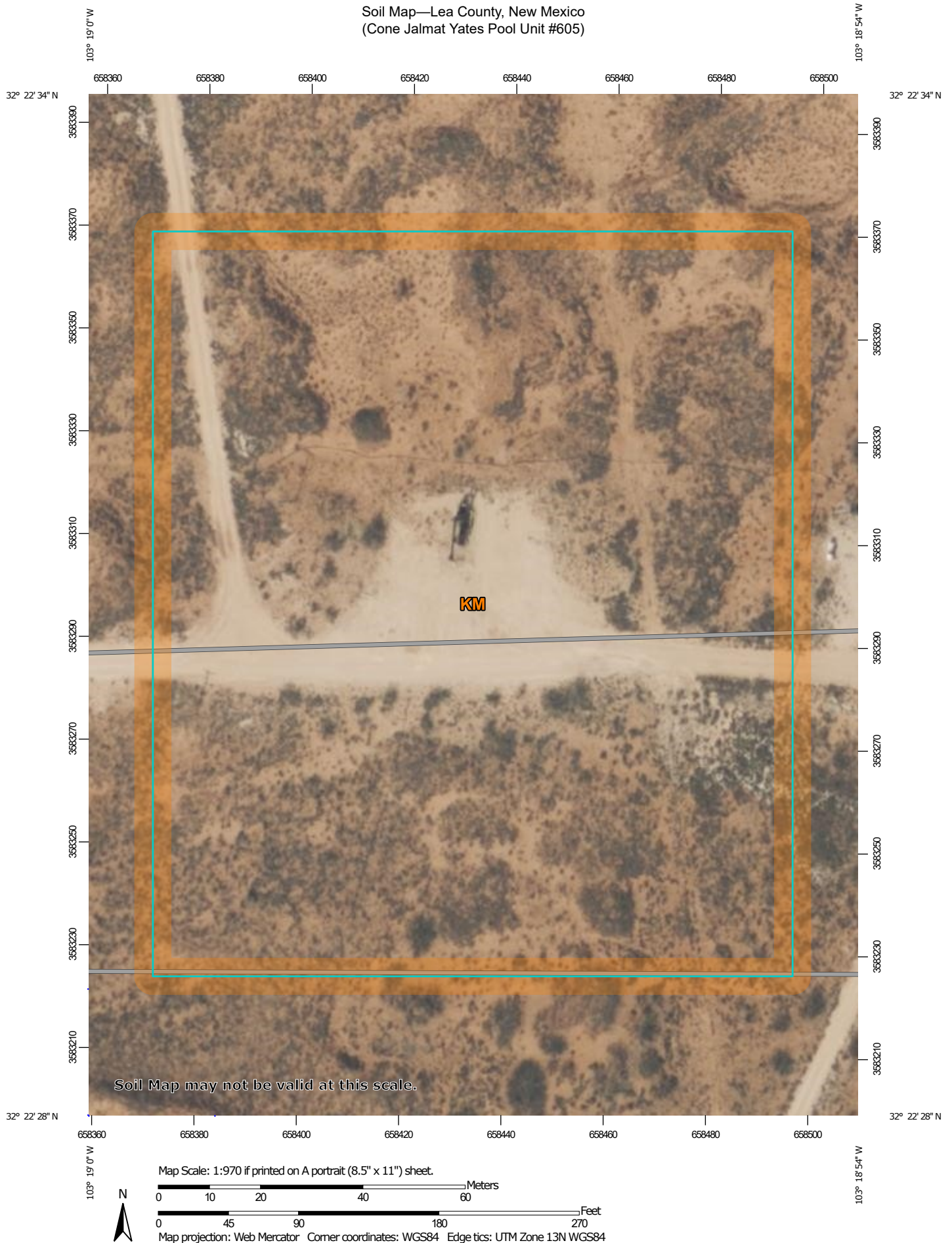
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/6/2025 at 5:04 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  
(Cone Jalmat Yates Pool Unit #605)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

12/6/2024  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(Cone Jalmat Yates Pool Unit #605)

## 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
KM	Kermit soils and Dune land, 0 to 12 percent slopes	4.5	100.0%
Totals for Area of Interest		4.5	100.0%

Remediation Report and Closure Request  
Cone Jalmat Yates Pool Unit #605  
Incident ID# nGRL0930836303

Breitburn Operating, LP  
July 10, 2025

## ATTACHMENT 2 – ARCHEOLOGICAL SURVEY ABSTRACT

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312

HPD Log No(s).

Registration

Lead Agency: NM State Land Office

Performing Agency: SWCA Environmental Consultants

Activity ID: 97546

Performing Agency Report No: 25-301

Other Agencies:

Report Recipient (Your Client): Tetra Tech

- Activity Types:
- ☐ Research Design
  - ☒ Archaeological Survey/Inventory
  - ☐ Architectural Survey/Inventory
  - ☐ Test Excavation
  - ☐ Monitoring
  - ☐ Collections/Non-Field Study
  - ☐ Compliance Decision
  - ☐ Literature Review Overview
  - ☐ Excavation
  - ☐ Ethnographic Study
  - ☐ Resource/Property Visit
  - ☐ Historic Structures Report
  - ☐ Other:

Total Survey Acreage: 4.91

Total Tribal Acreage: 0.00

Total Resources Visited: 0



NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312

HPD Log No(s).

Associate/Register Resources

Prefix	Number	Field Site/Other Number	In GIS	Resource Type	Collections Made?	Revisit
--------	--------	----------------------------	--------	---------------	-------------------	---------

## NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312

HPD Log No(s).

## Report Details

Type of Report

**Type of Report:** Negative

Lead Agency

**Lead Agency:** NM State Land Office

Lead Agency Report No.

**Report Number:**

Title of Report

**Title of Report:** A Cultural Resource Survey for the Cone Jalmat YP Unit Flowline Remediation Project in Lea County, New Mexico**Authors:** Sara Saouma and Cash Ficke**Publication Type:** Report, Monograph, or Book

Description of Undertaking (what does the project entail?)

**Description:** Tetra Tech contracted SWCA Environmental Consultants (SWCA) to conduct an intensive cultural resources pedestrian survey in support of the Cone Jalmat YP Unit Flowline inadvertent release remediation project, located entirely on New Mexico State Land Office (NMSLO) lands in Lea County, New Mexico. Inadvertent release remediation includes drilling operations and the removal of released drilling fluids from soil in the contaminated area. The proposed work is located approximately 25 miles south of Hobbs, New Mexico. The total acreage of the proposed remediation area is 1.10 acres (0.44 hectares). The NMSLO is the lead agency for this project.

Dates of Investigation

**From:** 7-Apr-2025**To:** 7-Apr-2025

Report Date

**Report Date:** 24-Apr-2025

Performing Agency/Consultant

**Name:** SWCA Environmental Consultants**Principal Investigator:** Alissa K. Healy**Field Supervisor:** Cash Ficke

## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity No. 158312**

**HPD Log No(s).**

**Field Personnel Names:** Bryan Davis

**Historian/Other:**

Performing Agency Report Number

**Report Number:** 25-301

Client/Customer (project proponent)

**Name:** Tetra Tech

**Contact:** Chuck Telhune

**Address:** 8911 Capital of Texas Hwy  
Ste. 2310  
Austin, TX 7859

**Phone:** 512.338.1667

Client/Customer Project Number

**Project Number:** 97546

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312 HPD Log No(s).

Ownership & Location

Land Ownership Status (Must be indicated on Project Map)

Owner/Manager List:	Land Owner/Manager	Protocol	Acres Surveyed	Acres in APE
	NM State Land Office	Class III	4.91	1.10

Total Survey Acreage: 4.91

Total Tribal Acreage: 0.00

Record Search(es)

Date of HPD/ARMS File Review: 1-Apr-2025

Date of Other Agency File Review:

Survey Data

Source Graphics: NAD 83  
✓ USGS 7.5' (1:24,000) topo map    ☐ Other Topo Map    Scale:  
✓ GPS Unit <1M  
☐ Aerial Photos    Other Source Graphic(s):

The following tables (b,c,& e) are calculated by the NMCRIS Map Service

USGS 7.5' Topographic Map(s)

Map Name	USGS Quad Code
East Lake, NM	32103-C3

County(ies)

County	FIPS
LEA	35023

Legal Description

Unplatted	Township (N/S)	Range (E/W)	Section
	T22S	R35E	24

Projected Legal Description

Nearest City or Town: Hobbs, New Mexico

Other Description:

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312

GIS

HPD Log No(s).

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## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity No. 158312**
**HPD Log No(s).**

### Methodology

#### Survey Field Methods

**Intensity:** 100% coverage

**Configuration:** ✓ Block Survey Units ✓ Linear Survey Units (l x y)

#### Other Survey Units:

**Scope:** All Resources

**Coverage Method:** ✓ Systematic Pedestrian Coverage **Other Method:**
**Survey Interval (m):** 15 **Crew Size:** 1

**Fieldwork Dates** **From** 7-Apr-2025 **To** 8-Apr-2025

**Survey Person Hours:** 7 **Recording Person Hours:** 0

**Additional Narrative:** The survey is for the 1.10-acre inadvertent release and includes a 100 ft buffer around the Tetra Tech defined project location for a total of 4.91 acres (1.98 hectares) of NMSLO-managed lands. There were no previously qualifying surveys in the area and the entire APE required surveyed.

#### Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.)

**Environmental Setting:** The project area is within the Shinnery Sands ecoregion (25j) of the High Plains (25), which includes sand hills and dunes as well as flat sandy recharge areas. These sand beds lie at the western edge of the High Plains where rising winds drop heavier sand grains and carry finer material further east onto the flat expanse of the Llano Estacado (25i). The ecoregion is named for the Havard (shin) oak brush that stabilizes sandy areas subject to wind erosion. Although the shin oak rarely grows higher than 4 feet, its extensive root system can reach over 50 feet through dune sand to reach water. These dunes serve as a major recharge area for the Pecos River. While sandsage and prairie grasses may create a continuous plant cover in portions of Ecoregion 25j, the vegetative cover is vulnerable to overgrazing and subsequent wind blowouts which may begin a cycle of dune formation (Griffith 2006).

The average mean elevation across the survey area is 1086.96 meters (3566.31) amsl. Two types of soil series occur within the survey area, San Mateo-Sparank silt loams, saline, sodic, 0 to 3 percent slopes. The San Mateo-Sparank series consists of very deep, well drained, moderately slow permeable soils that formed in alluvium, fan alluvium, and stream alluvium resulting from mixed sources on alluvial fans on valley edges and flood plains on the valley floors (Natural Resource Conservation Service 2025).

The geology of the survey area consists of Piedmont alluvial deposits (Holocene to lower Pleistocene) and Eolian deposits (Holocene to middle Pleistocene). These deposits include higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. The region also includes the largest area of sand dunes, at the southwestern edge of the Llano Estacado (25i), and is composed of sands blown out of the Pecos River Basin against the Mescalero Escarpment of the Llano Estacado by prevailing southwesterly winds (Griffith 2006).



## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity No. 158312**

**HPD Log No(s).**

The climate information for the survey was compiled using the Hobbs, New Mexico, climate station data (294026) (period December 1, 1912, to May 31, 2016). Rainfall for the area averages 40 centimeters (cm) (15.75 inches) annually and is heaviest in September at 6.45 cm (2.54 inches). Snowfall is heaviest between December and February, averaging 3.12 cm (1.23 inches). The area is coldest in January at -2.27 degrees Celsius (27.9 degrees Fahrenheit) and warmest in July at 34.38 degrees Celsius (93.9 degrees Fahrenheit) (Western Regional Climate Center 2025).

The typical vegetation in the Shinnery Sands ecoregion includes wild sandsage and prairie grasses. In dune areas, Havard shin oak, fourwing saltbush, and yucca stabilize the dune sand for herbaceous grasses and forbs, such as sand verbenas, sunflowers, fringed sagewort, and hoary rosemary-mint. Near ephemeral ponds and swale areas, rushes, sedges, and sandbar willow are commonly found (Griffith et al. 2006). Observed vegetation in the survey area consists of blue grama grass, with other rangeland grasses, some mesquite, prickly pear, and snakeweed.

A search of the Biota Information System of New Mexico database (New Mexico Department of Game and Fish 2025) identified 10 amphibian species, 37 reptile species, 168 bird species, and 45 mammal species have been identified in Lea County. Common mammals observed during survey include black-tailed jackrabbit, desert cottontail rabbit, kit fox, bobcat, coyote, pronghorn, mule deer, pronghorn, ground rodents, several species of songbirds, raptors, and lizards, as well as bullsnakes and rattlesnakes (Biota Information System of New Mexico 2025).

### References Cited:

Biota Information System of New Mexico 2025 Database Query for Lea County. Available at: <http://www.bison-m.org/>. Accessed April 2025.

Griffith, G. E., J. M. Omernik, M. M. McGraw, G. Z. Jacobi, C. M. Canavan, T. S. Schrader, D. Mercer, R. Hill, and B. C. Moran 2006 Ecoregions of New Mexico. Color poster with map, descriptive text, summary tables, and photographs. Map scale 1:1,400,000. U.S. Geological Survey, Reston, Virginia.

Natural Resources Conservation Service 2025 Web Soil Survey. Available at: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>. Accessed April 2025.

Western Regional Climate Center 2025 New Mexico Climate Summaries. Climate Summary for Hobbs, New Mexico (Climate Station ID No. 294026). Available at: <https://wrcc.dri.edu/cg>

**NMCRIS Investigation Abstract Form (NIAF)****NMCRIS Activity No. 158312****HPD Log No(s).****Methodology**

Percent Ground Visibility

**Ground Visibility:** 76-99%**Condition of Survey** The survey area is in a desert scrubland ecosystem consisting of low rolling copious dunes.  
**Area:** The general site area is active in oil and gas development.

Attachments (check all appropriate boxes)

- ✓ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ✓ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms – new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) – previously recorded & unrelocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ☐ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

Other Attachments

- ✓ Photographs and Log
- ☐ Other attachments **Describe:**

## NMCRIS Investigation Abstract Form (NIAF)

**NMCRIS Activity No. 158312**
**HPD Log No(s).**

### Cultural Resource Findings

#### Investigation Results

**Archaeological Sites Discovered and Registered:** 0

**Archaeological Sites Discovered and NOT Registered:** 0

**Previously Recorded Archaeological Sites Revisited (site update form required):** 0

**Previously Recorded Archaeological Sites Not Relocated (site update form required):** 0

**Total Archaeological Sites (visited & recorded):** 0

**Total Isolates Recorded:** 0

✓ Non-  
Selective Isolate Recording

**HCPI Properties Discovered and Registered:** 0

**HCPI Properties Discovered And NOT Registered:** 0

**Previously Recorded HCPI Properties Revisited:** 0

**Previously Recorded HCPI Properties NOT Relocated:** 0

**Total HCPI Properties (visited & recorded, including acequias):** 0

**If No Cultural  
Resources Found,  
Discuss Why:**

The area has a low density of cultural resources discovered during previous investigations and the project area has been impacted heavily by oil and gas construction/development.

#### Management Summary

**Summary:** SWCA completed an intensive pedestrian survey for the Cone Jalmat YP Unit Flowline Inadvertent Release project, located entirely on New Mexico State Land Office (NMSLO) lands in Lea County, New Mexico. Remediation for this project includes drilling operations and removal of released drilling fluids from soil in the contaminated area. The planned remediation area is 1.10 acres (0.44 hectares) in a single block; an additional 100-foot cultural resources buffer was surveyed around the Tetra Tech defined project location for a total of 4.91 acres (1.98 hectares) of NMSLO-managed lands, utilizing transects spaced no more than 15 meters apart. No archaeological sites, historic properties, or isolated occurrences were observed during the current investigation.

NMSLO cultural resources preservation efforts requires that an archaeological survey be conducted to current standards for the APE pursuant to and in compliance with New Mexico Administrative Code (NMAC) 4.10.15 and 19.2.24 to ensure that cultural properties are not inadvertently excavated, harmed, or destroyed by any person.

No additional investigation or treatment is recommended regarding the current undertaking. If subsurface cultural materials are encountered during construction, all work should cease, and the NMSLO should be notified immediately.

NMCRIS Investigation Abstract Form (NIAF)

NMCRIS Activity No. 158312

HPD Log No(s).

Attachments

Documents

Attachment Type	Description	Name	File Type	Size	Upload Date	Upload By
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**Figure 1. Survey overview from northeast corner of project area facing Southwest**



**Figure 2. Overview of disturbance area from spill facing East**



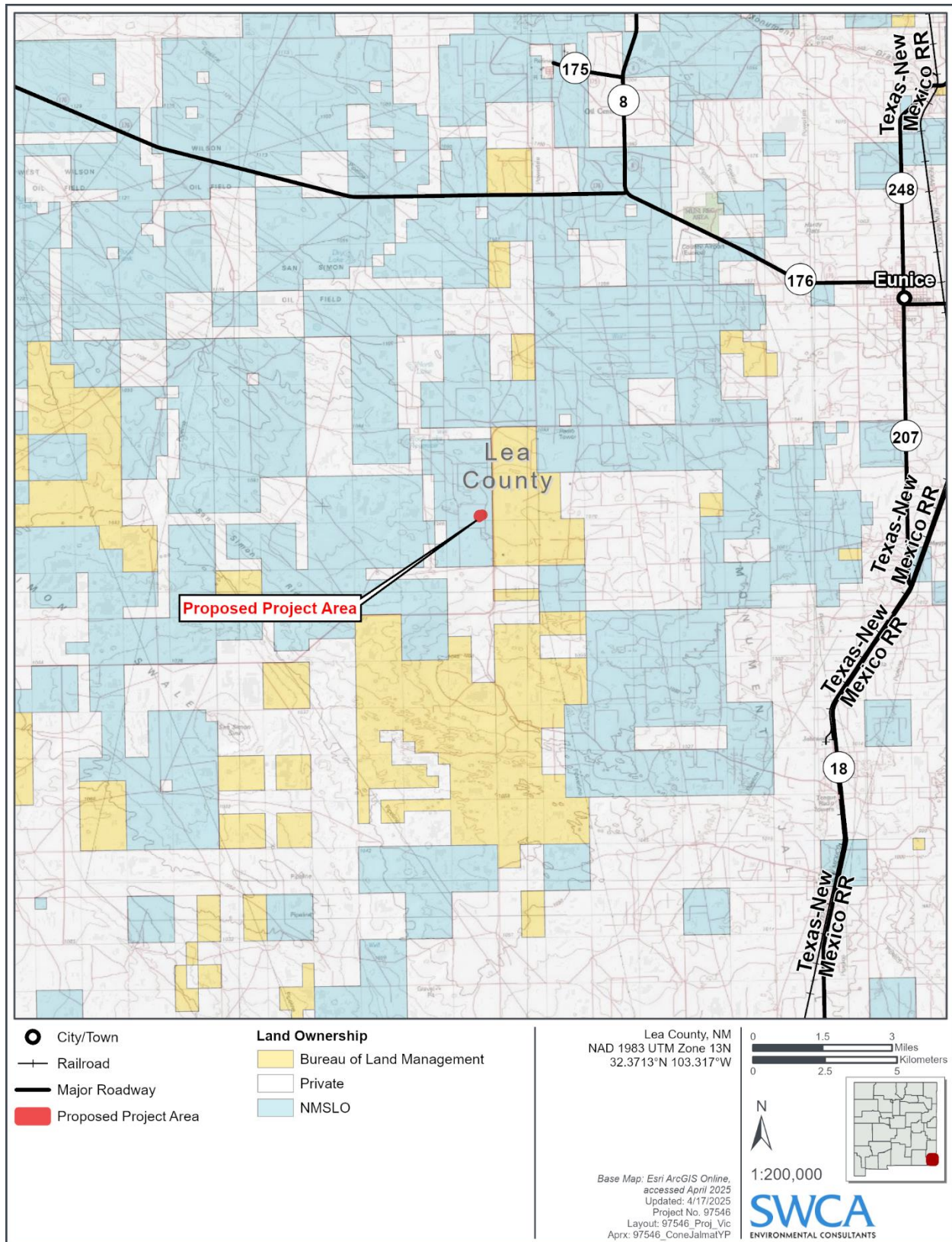


Figure 3. Project vicinity map



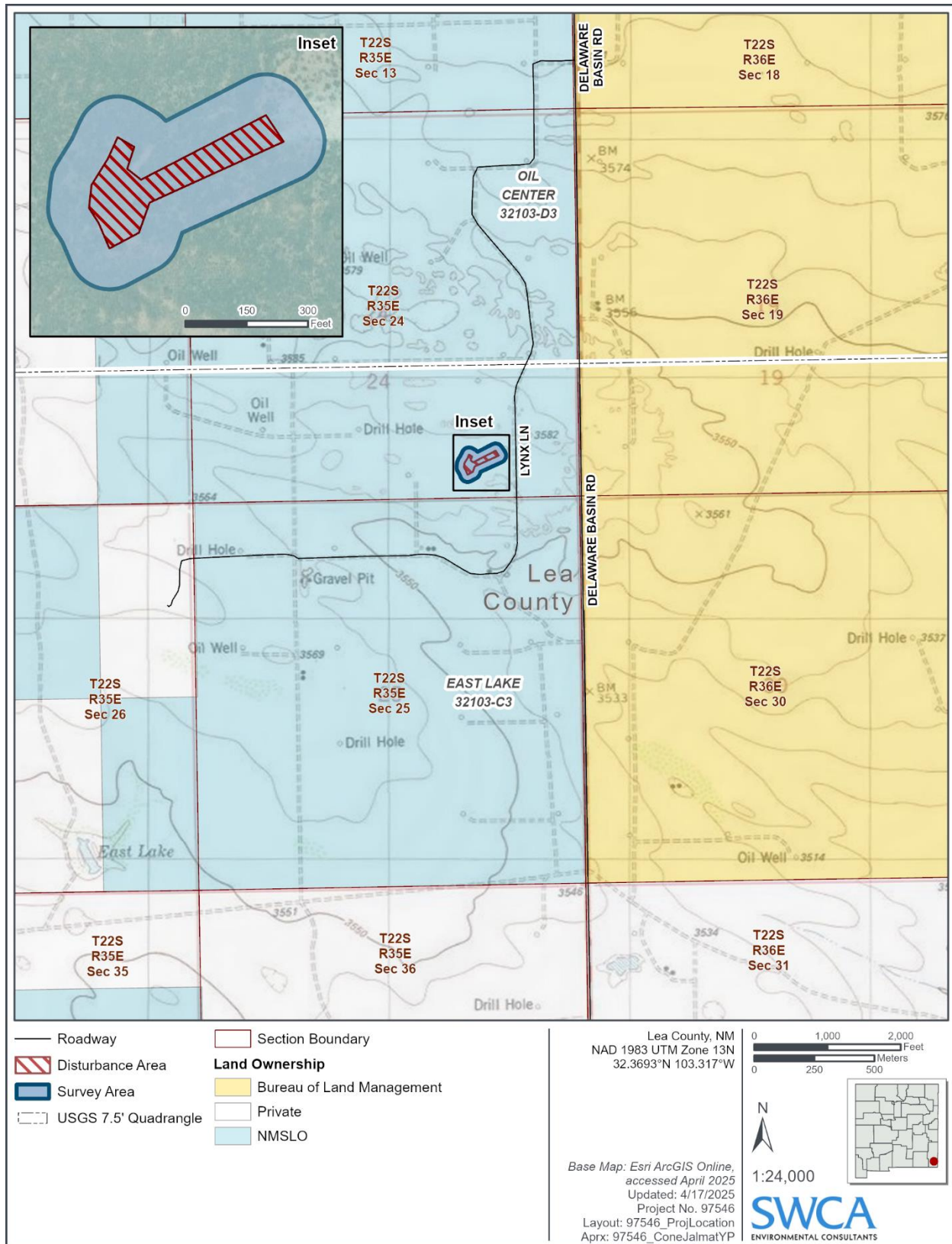
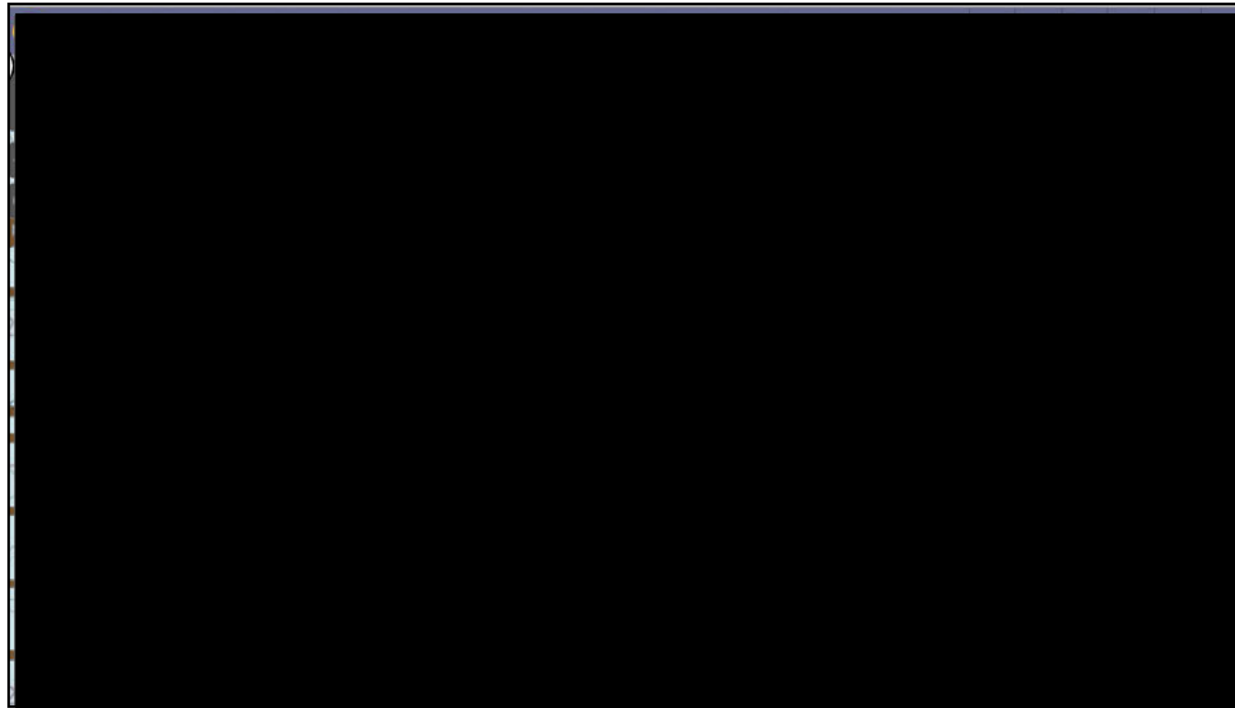


Figure 4. Project location map

**Table 1. Cultural Resource Surveys within 1,000 m (0.62 mile) of the Project Area**

NMCRIS No.	Performing Agency	Date	Acreage	Resources Recorded
16892	Archaeological Survey Consultants	10/10/1986	9.53	0
25926	Pecos Archaeological Consultants	6/2/1989	37.50	1
31340	Pecos Archaeological Consultants	2/25/1990	39.29	1
51780	Clifton, Don Consulting Archaeologist	3/12/1996	194.00	1
54145	Clifton, Don Consulting Archaeologist	10/17/1996	5671.70	32
55451	Clifton, Don Consulting Archaeologist	10/26/1995	1225.50	6
70923	Desert West Archaeological Services	6/15/2000	6.76	0
141068	Lone Mountain Archaeological Services	6/4/2018	27299.11	140
147069	Boone Archaeological Consultants, LLC.	12/1/2020	2.21	0
147071	Boone Archaeological Consultants, LLC.	11/30/2020	2.88	0
147516	Boone Archaeological Consultants, LLC.	3/2/2021	2.53	0
149488	Boone Archaeological Consultants, LLC.	1/5/2022	1.26	0
149895	SWCA Environmental Consultants	3/24/2022	3.37	0
150170	SWCA Environmental Consultants	5/11/2022	1.35	0
150433	Lone Mountain Archaeological Services	6/22/2022	17.00	0
158312	SWCA Environmental Consultants	4/7/2025	4.91	0

\*No previously recorded cultural resources are within 1,000 km (0.62 mile) of the survey area.



**Figure 5. NMCRIS screenshot showing the project boundary (purple polygon) and previous surveys (tan and brown polygons). No cultural resources were found within 1000 m (0.62 mile) of the project footprint.**

Remediation Report and Closure Request  
Cone Jalmat Yates Pool Unit #605  
Incident ID# nGRL0930836303

Breitburn Operating, LP  
July 10, 2025

## ATTACHMENT 3 – LABORATORY DATA



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

---

April 09, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #605

Enclosed are the results of analyses for samples received by the laboratory on 04/07/25 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 1 ( 0-1' ) (H252063-01)**

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	04/08/2025	ND	1.98	98.9	2.00	2.38	
Toluene*	<0.050	0.050	04/08/2025	ND	2.23	111	2.00	8.21	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.48	124	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	7.62	127	6.00	11.2	
Total BTX	<0.300	0.300	04/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	217	108	200	0.905	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	214	107	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 1 ( 1-2' ) (H252063-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2025	ND	1.98	98.9	2.00	2.38		
Toluene*	<0.050	0.050	04/08/2025	ND	2.23	111	2.00	8.21		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.48	124	2.00	10.3		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	7.62	127	6.00	11.2		
Total BTX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	217	108	200	0.905	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	214	107	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 1 ( 3-4' ) (H252063-03)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	217	108	200	0.905	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	214	107	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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\*=Accredited Analyte

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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 2 ( 0-1' ) (H252063-04)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	217	108	200	0.905	
DRO >C10-C28*	14.6	10.0	04/08/2025	ND	214	107	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 ( 1-2' ) (H252063-05)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	217	108	200	0.905	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	214	107	200	0.570	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 2 ( 3-4' ) (H252063-06)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 ( 0-1' ) (H252063-07)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 3 ( 1-2' ) (H252063-08)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 3 ( 3-4' ) (H252063-09)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-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	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 4 ( 0-1' ) (H252063-10)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 4 ( 1-2' ) (H252063-11)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	22.4	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	12.9	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 4 ( 3-4' ) (H252063-12)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.2 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 5 ( 0-1' ) (H252063-13)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 5 ( 1-2' ) (H252063-14)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 5 ( 3-4' ) (H252063-15)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 6 ( 0-1' ) (H252063-16)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 6 ( 1-2' ) (H252063-17)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 6 ( 3-4' ) (H252063-18)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17	
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148	
Total BTEX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 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	656	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 7 ( 0-1' ) (H252063-19)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 7 ( 1-2' ) (H252063-20)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	33.7	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	22.7	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 7 ( 3-4' ) (H252063-21)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	80.3	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	69.5	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 8 ( 0-1' ) (H252063-22)**

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	04/08/2025	ND	1.98	98.8	2.00	2.17		
Toluene*	<0.050	0.050	04/08/2025	ND	2.04	102	2.00	0.858		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.99	99.4	2.00	0.177		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.85	97.4	6.00	0.148		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	104	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	71.9	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 8 ( 1-2' ) (H252063-23)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEx	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	1600	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	705	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 8 ( 3-4' ) (H252063-24)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	35.9	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	17.7	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 9 ( 0-1' ) (H252063-25)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEx	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	200	100	200	0.811	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	196	97.8	200	0.588	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 9 ( 1-2' ) (H252063-26)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	16.0	16.0	04/09/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 9 ( 3-4' ) (H252063-27)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 97.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 10 ( 0-1' ) (H252063-28)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	32.0	16.0	04/09/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.9 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 10 ( 1-2' ) (H252063-29)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 10 ( 3-4' ) (H252063-30)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	640	16.0	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 11 ( 0-1' ) (H252063-31)**

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	04/09/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/09/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/09/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/09/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	1010	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	525	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 11 ( 1-2' ) (H252063-32)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	56.8	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	27.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 11 ( 3-4' ) (H252063-33)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 12 ( 0-1' ) (H252063-34)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 12 ( 1-2' ) (H252063-35)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	16.3	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	14.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 12 ( 3-4' ) (H252063-36)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 13 ( 0-1' ) (H252063-37)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	36.5	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	20.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 13 ( 1-2' ) (H252063-38)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	04/08/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	5710	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	1580	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 286 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 13 ( 3-4' ) (H252063-39)**

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	04/08/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/08/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.03	100	6.00	3.25		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	843	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	299	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 14 ( 0-1' ) (H252063-40)**

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	04/09/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/09/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/09/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/09/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	159	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	79.1	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 14 ( 1-2' ) (H252063-41)**

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	04/09/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/09/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/09/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/09/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/08/2025	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	3540	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	1080	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 215 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 14 ( 3-4' ) (H252063-42)**

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	04/09/2025	ND	1.73	86.3	2.00	1.72		
Toluene*	<0.050	0.050	04/09/2025	ND	1.85	92.5	2.00	1.94		
Ethylbenzene*	<0.050	0.050	04/09/2025	ND	1.85	92.7	2.00	3.64		
Total Xylenes*	<0.150	0.150	04/09/2025	ND	6.03	100	6.00	3.25		
Total BTEX	<0.300	0.300	04/09/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	04/08/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	24.3	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	16.6	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/07/2025	Sampling Date:	04/07/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 15 ( 0-1' ) (H252063-43)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	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	16.0	16.0	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 15 ( 1-2' ) (H252063-44)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	16.5	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	16.9	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 15 ( 3-4' ) (H252063-45)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	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	<16.0	16.0	04/08/2025	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	04/08/2025	ND	209	104	200	1.33	
DRO >C10-C28*	78.6	10.0	04/08/2025	ND	199	99.5	200	2.16	
EXT DRO >C28-C36	38.7	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.6 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 16 ( 0-1' ) (H252063-46)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	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	<16.0	16.0	04/08/2025	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	04/08/2025	ND	190	95.2	200	5.28	
DRO >C10-C28*	<10.0	10.0	04/08/2025	ND	198	99.2	200	3.89	
EXT DRO >C28-C36	<10.0	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.8 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 16 ( 1-2' ) (H252063-47)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/08/2025	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	04/08/2025	ND	190	95.2	200	5.28	
DRO >C10-C28*	25.1	10.0	04/08/2025	ND	198	99.2	200	3.89	
EXT DRO >C28-C36	30.6	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 04/07/2025  
Reported: 04/09/2025  
Project Name: JALMAT #605  
Project Number: NONE GIVEN  
Project Location: MAVERICK - LEA COUNTY, NM

Sampling Date: 04/07/2025  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: BH 16 ( 3-4' ) (H252063-48)**

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	04/08/2025	ND	1.95	97.4	2.00	4.76		
Toluene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	3.74		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	1.84	92.1	2.00	0.903		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	5.54	92.3	6.00	0.121		
Total BTEx	<0.300	0.300	04/08/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/08/2025	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	04/08/2025	ND	190	95.2	200	5.28	
DRO >C10-C28*	103	10.0	04/08/2025	ND	198	99.2	200	3.89	
EXT DRO >C28-C36	54.5	10.0	04/08/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

1 of 2

<b>Company Name:</b> TetraTech <b>Project Manager:</b> Chris Strub <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project Name:</b> Ialmat 605 <b>Project Location:</b> Lea Co. NM <b>Sampler Name:</b> AK <small>FOR LAB USE ONLY</small>		<b>P.O. #:</b> <b>Company:</b> TetraTech <b>Attn:</b> Chris Strub <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>Lab I.D.</b> H350063		<b>Sample I.D.</b>	
BH 1 (0-1) BH 1 (1-2) BH 1 (3-4) BH 2 (0-1) BH 2 (1-2) BH 2 (3-4) BH 3 (0-1) BH 3 (1-2) BH 3 (3-4) BH 4 (0-1)		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE: 8/25/17 TIME:	
1 2 3 4 5 6 7 8 9 10		MATRIX PRESERV. SAMPLING	
BTEX TPH Chloride		ANALYSIS REQUEST	

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**Quished By:** [Signature] **Date:** 8/17 **Received By:** [Signature] **Date:** 8/17

**Quished By:** [Signature] **Date:** 8/17 **Received By:** [Signature] **Date:** 8/17

**Observed Temp. °C:** 2.8 **Corrected Temp. °C:** 3.1 **Sample Condition:** Cool ☒ Intact ☐ **Checked By:** [Signature]

**Turnaround Time:** Standard ☐ Rush ☒ **Thermometer ID #140** **Correction Factor +0.3°C** **Standard** **48 hr** **Bacteria (only) Sample Condition:** Cool ☒ Intact ☐ **Observed Temp. °C:** **Corrected Temp. °C:**

**Remarks:** adrian.garcia@tetratech.com page.fernandez@tetratech.com

**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:** **All Results are emailed. Please provide Email address:**



[illegible]





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> TetraTech <b>Project Manager:</b> Chris Strub <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Project #:</b> Project Owner: Havenet <b>Project Name:</b> Jalmat 605 <b>Project Location:</b> Lea Co. NM <b>Sampler Name:</b> AK <b>FOR LAB USE ONLY</b>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> TetraTech <b>Attn:</b> Chris Strub <b>Address:</b> <b>City:</b> State: Zip: <b>Phone #:</b> Fax #: <b>Matrix:</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: <b>Preserv:</b> ACID/BASE: ICE / COOL OTHER: <b>Sampling:</b> DATE: 8/25/25 TIME: 4:17		<b>ANALYSIS REQUEST</b>			
<b>Lab I.D.</b> HX50063 <b>Sample I.D.</b>		(G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV SAMPLING		BTEX TPH1 Chloride			
21 BH 7 (3-4') 22 BH 8 (0-1') 23 BH 8 (1-2') 24 BH 8 (3-4') 25 BH 9 (0-1') 26 BH 9 (1-2') 27 BH 9 (3-4') 28 BH 10 (0-1') 29 BH 10 (1-2') 30 BH 10 (3-4')		X X X X X X X X X X		X X X X X X X X X X			
<b>Relinquished By:</b> Delvalle <b>Date:</b> 4/7 <b>Time:</b> 1:41 <b>Received By:</b> Speckle <b>Date:</b> 4/7 <b>Time:</b> 1:41 <b>Received By:</b> Speckle <b>Remarks:</b> adrian.garcia@tetratech.com agarcia fernandez@tetratech.com <b>Turnaround Time:</b> Standard Rush 48h <b>Thermometer ID #140</b> <b>Correction Factor +0.3°C</b> <b>Bacteria (only) Sample Condition</b> Copl Intact Observed Temp. °C Corrected Temp. °C		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>All Results are emailed. Please provide Email address:</b>		<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C 8.8 Corrected Temp. °C 3.12 Sample Condition Cool Intact Checked By: (Initials) SK Bacteria (only) Sample Condition Copl Intact Observed Temp. °C Corrected Temp. °C			

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>TetraTech</b>		P.O. #:		BILL TO		ANALYSIS REQUEST																							
Project Manager: <b>Chris Strub</b>		City: _____ State: _____ Zip: _____		Company: <b>TetraTech</b>																									
Address: _____		City: _____ State: _____ Zip: _____		Attn: <b>Chris Strub</b>																									
Phone #: _____ Fax #: _____		City: _____ State: _____ Zip: _____		Address: _____																									
Project #: _____		Project Owner: <b>Havencroft</b>		City: _____ State: _____ Zip: _____																									
Project Name: <b>Talmax 605</b>		Project Location: <b>Lea Co. NM</b>		State: _____ Zip: _____																									
Sampler Name: <b>AK</b>		Fax #: _____		Phone #: _____																									
FOR LAB USE ONLY																													
Lab I.D. <b>Hasp0003</b>		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME	
31		BH 11 (0-1)		1		1		X																		X		BTEx	
32		BH 11 (1-2)																								X		TPH	
33		BH 11 (3-4)																								X		Chloride	
34		BH 12 (0-1)																											
35		BH 12 (1-2)																											
36		BH 12 (3-4)																											
37		BH 13 (0-1)																											
38		BH 13 (1-2)																											
39		BH 13 (3-4)																											
40		BH 14 (0-1)																											







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April 23, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #605

Enclosed are the results of analyses for samples received by the laboratory on 04/17/25 14:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 1 (4') (H252334-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 2 (4') (H252334-02)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 3 (4') (H252334-03)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 4 (4') (H252334-04)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	11.1	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 5 (4') (H252334-05)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	51.5	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	35.7	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 6 (4') (H252334-06)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTX	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 7 (4') (H252334-07)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	193	96.5	200	3.47	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	202	101	200	2.99	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 8 (4') (H252334-08)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEx	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 122 % 40.6-153

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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 9 (4') (H252334-09)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEX	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 10 (4') (H252334-10)**

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	04/21/2025	ND	1.83	91.3	2.00	0.210		
Toluene*	<0.050	0.050	04/21/2025	ND	1.93	96.6	2.00	0.940		
Ethylbenzene*	<0.050	0.050	04/21/2025	ND	1.90	94.8	2.00	0.862		
Total Xylenes*	<0.150	0.150	04/21/2025	ND	6.20	103	6.00	1.12		
Total BTEX	<0.300	0.300	04/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	42.5	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	29.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 11 (4') (H252334-11)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEX	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	37.7	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	27.2	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 12 (4') (H252334-12)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 13 (4') (H252334-13)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 14 (4') (H252334-14)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEX	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	40.1	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	33.5	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 15 (4') (H252334-15)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEX	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 1 (H252334-16)**

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	04/22/2025	ND	2.02	101	2.00	8.72		
Toluene*	<0.050	0.050	04/22/2025	ND	1.94	97.2	2.00	8.80		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	1.92	96.2	2.00	9.29		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	5.93	98.8	6.00	11.1		
Total BTEx	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 2 (H252334-17)**

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	04/22/2025	ND	2.11	105	2.00	1.48		
Toluene*	<0.050	0.050	04/22/2025	ND	2.04	102	2.00	2.12		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.16	108	2.00	1.04		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.55	109	6.00	0.989		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 3 (H252334-18)**

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	04/22/2025	ND	2.11	105	2.00	1.48		
Toluene*	<0.050	0.050	04/22/2025	ND	2.04	102	2.00	2.12		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.16	108	2.00	1.04		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.55	109	6.00	0.989		
Total BTEX	<0.300	0.300	04/22/2025	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	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 4 (H252334-19)**

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	04/22/2025	ND	2.11	105	2.00	1.48		
Toluene*	<0.050	0.050	04/22/2025	ND	2.04	102	2.00	2.12		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.16	108	2.00	1.04		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.55	109	6.00	0.989		
Total BTEx	<0.300	0.300	04/22/2025	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	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 131 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 40.6-153

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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  
CHRIS STRAUB  
901 WEST WALL STREET , STE 100  
MIDLAND TX, 79701  
Fax To: (432) 682-3946

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 5 (H252334-20)**

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	04/22/2025	ND	2.11	105	2.00	1.48		
Toluene*	<0.050	0.050	04/22/2025	ND	2.04	102	2.00	2.12		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.16	108	2.00	1.04		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.55	109	6.00	0.989		
Total BTEx	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/17/2025	Sampling Date:	04/17/2025
Reported:	04/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 8 (H252334-21)**

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	04/22/2025	ND	2.11	105	2.00	1.48		
Toluene*	<0.050	0.050	04/22/2025	ND	2.04	102	2.00	2.12		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.16	108	2.00	1.04		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.55	109	6.00	0.989		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/21/2025	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	04/21/2025	ND	202	101	200	1.70	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	198	98.9	200	1.61	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 127 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 40.6-153

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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





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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Tetratech</b> Project Manager: <b>Chris Straub</b>				<b>BILL TO</b> P.O. #: _____ Company: <b>Tetratech</b>		<b>ANALYSIS REQUEST</b>			
Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Location: <b>Lea Co. NM</b> Project Name: <b>Salmat</b>				Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____					
Lab I.D. <b>H259334</b> Sample I.D. _____ (G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____				MATRIX _____ PRESERV. _____ DATE <b>2025 4/17</b> TIME _____		SAMPLING _____ <b>Chloride</b> _____ <b>TPH</b> _____ <b>BTEX</b> _____			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <b>0.3</b> Corrected Temp. °C <b>-0.3</b> Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: _____ (Initials) Turnaround Time: _____ Thermometer ID #140 Correction Factor +0.3°C <b>72 hr</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		REMARKS: <b>Yorge. Fernandez tetratech</b> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			
Relinquished By: <b>Danarcan</b> Date: <b>4/17/25</b> Time: <b>1038</b> Received By: <b>[Signature]</b> Date: _____ Time: _____				RECEIVED BY: _____ Date: _____ Time: _____					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Tetra Tech</b>		P.O. #:		BILL TO																																					
Project Manager: <b>Chris Straub</b>		Company: <b>Tetra Tech</b>		ANALYSIS REQUEST																																					
Address:		Attn:																																							
City:		Address:																																							
Phone #:		State:																																							
Fax #:		City:																																							
Project #:		State:																																							
Project Name: <b>Talimat 605</b>		City:																																							
Project Location: <b>Lea Co. NM</b>		State:																																							
Sampler Name: <b>AP</b>		Phone #:																																							
FOR LAB USE ONLY		Fax #:																																							
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													
H253334		11 BH 11 (4")				X																				2025		4/17		Chloride		X									
12 BH 12 (4")																														TPH		X									
13 BH 13 (4")																																X									
14 BH 14 (4")																																									
15 BH 15 (4")																																									
16 SW 1																																									
17 SW 2																																									
18 SW 3																																									
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Relinquished By: <b>Debra Pica</b>		Date: <b>4/17/25</b>		Received By: <b>AP</b>		Date: <b>4/17/25</b>		Time: <b>1438</b>		Received By: <b>AP</b>		Time: <b>1438</b>		REMARKS: <b>jorge.fenandez@tetratech</b>																											
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only)		Sample Condition																											
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact				Thermometer ID #140		Rush		Cool Intact		Observed Temp. °C																											
FORM 0006 R 5.0 02/12/23		-0.0		Yes No		AP		72hr		Yes No		Yes No		Corrected Temp. °C																											

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





## Page 26 of 26

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April 24, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #605

Enclosed are the results of analyses for samples received by the laboratory on 04/22/25 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/22/2025	Sampling Date:	04/22/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 6 (H252415-01)**

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	04/24/2025	ND	2.18	109	2.00	2.50		
Toluene*	<0.050	0.050	04/24/2025	ND	2.21	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/24/2025	ND	2.17	108	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/24/2025	ND	6.38	106	6.00	3.42		
Total BTX	<0.300	0.300	04/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	04/24/2025	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	04/23/2025	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	190	94.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/22/2025	Sampling Date:	04/22/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: SW 7 (H252415-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/24/2025	ND	2.18	109	2.00	2.50		
Toluene*	<0.050	0.050	04/24/2025	ND	2.21	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/24/2025	ND	2.17	108	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/24/2025	ND	6.38	106	6.00	3.42		
Total BTX	<0.300	0.300	04/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/24/2025	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	04/23/2025	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	190	94.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/22/2025	Sampling Date:	04/22/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 18 (H252415-03)**

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	04/24/2025	ND	2.18	109	2.00	2.50		
Toluene*	<0.050	0.050	04/24/2025	ND	2.21	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/24/2025	ND	2.17	108	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/24/2025	ND	6.38	106	6.00	3.42		
Total BTEX	<0.300	0.300	04/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	80.0	16.0	04/24/2025	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	04/23/2025	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	190	94.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	04/22/2025	Sampling Date:	04/22/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 19 (H252415-04)**

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	04/24/2025	ND	2.18	109	2.00	2.50		
Toluene*	<0.050	0.050	04/24/2025	ND	2.21	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/24/2025	ND	2.17	108	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/24/2025	ND	6.38	106	6.00	3.42		
Total BTEX	<0.300	0.300	04/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	128	16.0	04/24/2025	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	04/23/2025	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	190	94.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/22/2025	Sampling Date:	04/22/2025
Reported:	04/24/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: BH 20 (H252415-05)**

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	04/24/2025	ND	2.18	109	2.00	2.50		
Toluene*	<0.050	0.050	04/24/2025	ND	2.21	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/24/2025	ND	2.17	108	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/24/2025	ND	6.38	106	6.00	3.42		
Total BTX	<0.300	0.300	04/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/24/2025	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	04/23/2025	ND	202	101	200	3.53	
DRO >C10-C28*	<10.0	10.0	04/23/2025	ND	190	94.9	200	3.11	
EXT DRO >C28-C36	<10.0	10.0	04/23/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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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".

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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]



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

June 27, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #605

Enclosed are the results of analyses for samples received by the laboratory on 06/23/25 11:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/23/2025	Sampling Date:	06/20/2025
Reported:	06/27/2025	Sampling Type:	Soil
Project Name:	JALMAT #605	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

**Sample ID: CS 1 (H253762-01)**

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	06/25/2025	ND	2.02	101	2.00	0.403	
Toluene*	<0.050	0.050	06/25/2025	ND	2.06	103	2.00	0.355	
Ethylbenzene*	<0.050	0.050	06/25/2025	ND	2.10	105	2.00	0.309	
Total Xylenes*	<0.150	0.150	06/25/2025	ND	6.16	103	6.00	0.340	
Total BTX	<0.300	0.300	06/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/25/2025	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	06/24/2025	ND	203	101	200	4.04	
DRO >C10-C28*	<10.0	10.0	06/24/2025	ND	225	113	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	06/24/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

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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

**BILL TO**

† Cardinal cannot accept verbal changes. Please email changes to [celej.keene@cardinallabsnm.com](mailto:celej.keene@cardinallabsnm.com)

Remediation Report and Closure Request  
Cone Jalmat Yates Pool Unit #605  
Incident ID# nGRL0930836303

Breitburn Operating, LP  
July 10, 2025

## ATTACHMENT 4 – PHOTOGRAPHIC LOG



SE

S

SW

W

120

150

180

210

240

270

● 32.371367°, -103.317403° ±13ft ▲ 3569ft



Jalmat 605  
Maverick

Maverick  
22 Apr 2025, 8:24:01 AM



☉ 32.371367°, -103.317474° ±9ft ▲ 3583ft



Jalmat 605  
Maverick

Maverick  
22 Apr 2025, 8:24:24 AM



SW

W

NW

N

210

240

270

300

330

0

● 32.371355°, -103.317483° ±13ft ▲ 3571ft



Jalmat 605  
Maverick

Maverick  
22 Apr 2025, 8:24:32 AM





● 32.371410°, -103.317601° ±6ft ▲ 3568ft



Jalmat 605  
Maverick

Maverick  
22 Apr 2025, 8:24:48 AM





● 32.371419°, -103.317590° ±6ft ▲ 3568ft



SW

W

NW

N

210

240

270

300

330

0

30

● 32.371326°, -103.317267° ±13ft ▲ 3573ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:44:23 AM





● 32.371264°, -103.317351° ±9ft ▲ 3585ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:45:19 AM





● 32.371262°, -103.317352° ±13ft ▲ 3585ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:45:24 AM





● 32.371260°, -103.317746° ±78ft ▲ 3580ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:46:20 AM





● 32.371243°, -103.317735° ±9ft ▲ 3578ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:46:24 AM





● 32.371433°, -103.317622° ±16ft ▲ 3571ft



Backfill and revegetation  
Maverick

Jalmat 605  
10 Jul 2025, 10:46:52 AM



Remediation Report and Closure Request  
Cone Jalmat Yates Pool Unit #605  
Incident ID# nGRL0930836303

Breitburn Operating, LP  
July 10, 2025

## ATTACHMENT 5 – SEED MIX

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

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

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

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



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 483645

**QUESTIONS**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nGRL0930836303
Incident Name	NGRL0930836303 CONE JALMAT YATES POOL UNIT #605 @ 30-025-08654
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-08654] CONE JALMAT YATES POOL UNIT #605

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	CONE JALMAT YATES POOL UNIT #605
Date Release Discovered	10/02/2009
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Crude Oil   Released: 50 BBL   Recovered: 0 BBL   Lost: 50 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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

QUESTIONS, Page 2

Action 483645

**QUESTIONS (continued)**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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: Chris Straub Title: Contractor Email: <a href="mailto:chris.straub@tetrattech.com">chris.straub@tetrattech.com</a> Date: 02/06/2025
--	--

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

General Information  
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 3

Action 483645

**QUESTIONS (continued)**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 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	Greater than 5 (mi.)
A wetland	Between 1 and 5 (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	No

**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)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	03/30/2025
On what date will (or did) the final sampling or liner inspection occur	04/20/2025
On what date will (or was) the remediation complete(d)	05/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	6500
What is the estimated volume (in cubic yards) that will be reclaimed	1000
What is the estimated surface area (in square feet) that will be remediated	6500
What is the estimated volume (in cubic yards) that will be remediated	1000

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**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 483645

**QUESTIONS (continued)**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	FEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chris Straub Title: Contractor Email: <a href="mailto:chris.straub@tetrattech.com">chris.straub@tetrattech.com</a> Date: 02/06/2025
<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 483645

QUESTIONS (continued)

Operator:  BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:  370080
	Action Number:  483645
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS, Page 6

Action 483645

**QUESTIONS (continued)**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	476646
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/20/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	6603

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	0
What was the total volume (cubic yards) remediated	0
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	3929
What was the total volume (in cubic yards) reclaimed	700
Summarize any additional remediation activities not included by answers (above)	none
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: <a href="mailto:chuck.terhune@tetrattech.com">chuck.terhune@tetrattech.com</a> Date: 07/10/2025

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Action 483645

**QUESTIONS (continued)**

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	3929
What was the total volume of replacement material (in cubic yards) for this site	700
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/25/2025
Summarize any additional reclamation activities not included by answers (above)	none
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: <a href="mailto:chuck.terhune@tetrattech.com">chuck.terhune@tetrattech.com</a> Date: 07/10/2025



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QUESTIONS, Page 8  
  
Action 483645

QUESTIONS (continued)

Operator:  BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID:  370080
	Action Number:  483645
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 483645

CONDITIONS

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 483645
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The reclamation report has been approved pursuant to 19.15.29.13 E. NMAC. The acceptance of this 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; or if the location fails to revegetate properly. In addition, the OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	9/4/2025