



July 28, 2025

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

**Re: Revised Remediation Report and Closure Request
Breitburn Operating, LP
Jalmat Field Yates Sand Unit #216
Unit Letter E, Section 24, Township 22 South, Range 35 East
Lea County, New Mexico
NMOCD Incident ID# nPAC0534851527**

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 Jalmat Field Yates Sand Unit #216 well, Unit Letter E, Section 24, Township 22 South, Range 35 East, in Lea County, New Mexico, at coordinates 32.3775177°, -103.329216° (Site). The location is shown in **Figure 1**.

BACKGROUND

According to the New Mexico Oil Conservation District (NMOCD) online OCD Permitting nPAC0534851527 Incident Details, on November 4, 2005, Breitburn reported that a flowline leak around the wellhead resulted in overspray of 3 barrels (bbls) of oil and 4 bbls of produced water across an area of 100 feet by 200 feet. According to available information, a vacuum truck and backhoe were mobilized to the site to conduct a release cleanup during the initial response. The release notification was submitted to NMOCD and subsequently assigned release Incident Identification (ID) nPAC0534851527. Based on the release narrative, the release is understood to have occurred in an area surrounding the wellhead, and the 100-foot by 200-foot area described is shown in **Figure 2**.

SITE CHARACTERIZATION

Receptors

Tetra Tech performed a site characterization for the release location. It did not identify any watercourses, sinkholes, playas, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.29.11 New Mexico Administrative Code (NMAC). Based on a review of the NMOCD Mapper, the site is in an area of low karst potential. 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. No known water wells are present within ½ mile of the Site. The nearest groundwater well is J-00040-POD1, located approximately 1.15 miles east of the Site, with a documented depth to groundwater of 270 feet below ground surface (bgs).

Tetra Tech, Inc.

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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 release 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; therefore, a cultural resource survey was not required at the Site to conduct remediation activities as they did not extend beyond the previously disturbed areas.

Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as Pyote and Maljamar fine sands, a sandy 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 unproven depth to groundwater within ½ mile of the Site are as follows:

Reclamation Requirements

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

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NMOCD-APPROVED SITE ASSESSMENT AND REMEDIATION WORK PLAN

Tetra Tech prepared a Site Assessment and Remediation Work Plan dated February 6, 2025, that was submitted to OCD Permitting online on February 25, 2025, and subsequently approved by the NMOCD on March 3, 2025.

Site Assessment Work Plan

The Site Assessment and Remediation Work Plan proposed Site assessment sampling of the apparent release footprint, with soil samples collected on the basis of one (1) discrete sample location per 400 square feet across the apparent release reportedly covering 30,000 square feet (150 feet by 200 feet) as shown in **Figure 2**. A discrepancy in the work plan identified three (3) samples per location with two sampling intervals specified and Ms. Shelly Wells of the NMOCD called Charles Terhune of Tetra Tech on March 3, 2025, to obtain clarity and was informed the work plan was intended to collect two samples from each location. Two (2) samples were proposed to be collected from each sample location at depths of 1 to 2 feet bgs, and 3 to 4 feet bgs, and submitted for analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 Cl-B. The results of the Site assessment sampling were proposed to guide the actual areas and volumes requiring remediation at the Site.

Remediation Work Plan

Based on the analytical results from the Site assessment sampling described above, Breitburn proposed to excavate and dispose of impacted material identified by the Site assessment sampling until confirmation samples demonstrated impacts above Reclamation Requirements both laterally and vertically.

Excavated soils were proposed to be transported off-site and disposed of at an NMOCD-approved or permitted facility. Once final analytical results demonstrating clean margins were received, the excavation would be backfilled with clean material to surface grade, sourced from a local supplier, prior to preparing the seed bed and reseeding pasture areas.

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

On March 19, 2025, Tetra Tech mobilized to the site and advanced 48 sample locations (BH-1 through BH-48) across the northern half of the apparent release area, as shown in **Figure 2** and detailed in **Table 1**. On June 17 and 18, Tetra Tech returned and advanced 29 additional sample locations (BH-49 through BH-77) across the southern portion of the apparent release area. Two (2) soil samples were collected from each location at depth intervals of 1.0 to 2.0 feet bgs and 3.0 to 4.0 feet bgs. Samples were submitted to Cardinal Laboratory for analysis of BTEX by Method 8260B, TPH by Method 8015M, and chloride by Method 4500Cl-B. Site assessment sampling locations are presented in **Figure 2**, Laboratory analytical results screened against Reclamation Requirements are presented in **Table 2**, and laboratory analytical data packages are provided in **Attachment 3**.

Samples from BH-2, BH-6, BH-68, BH-76, and BH-77 reported concentrations of TPH and/or chloride as greater than Reclamation Requirements down to depths of 4 feet bgs, as shown in **Table 2**.

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REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced off of the north side of the well pad on March 25, 2025, addressing impacted areas at BH-2 and BH-6, and concluded on March 25, 2025. Excavation activities on the south side of the pad commenced on July 7, 2025, and concluded on July 18, 2025. Breitburn's subcontractor, McNabb Partners (McNabb), used heavy equipment to excavate impacted soil from the remediation area to a maximum depth of 9.5 feet bgs as shown in **Figure 3**. To avoid potential contact of 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 195 cubic yards of contaminated soil from two 400-square-foot areas on the north side of the well pad and 469 cubic yards of contaminated soil from the 1,320-square-foot area on the southeast corner of the pad. Excavated material was transported to R360 Halfway Disposal and Landfill for offsite disposal. Photographs of the final excavation are provided in **Attachment 2**.

Confirmation Sampling Notification

On March 13, 2025, Tetra Tech notified the NMOCD of the initial confirmation sampling through the submission of a C-141N Sampling Notification submission in the NMOCD Permitting portal. Subsequent C-141N Sampling Notification submissions were provided through the NMOCD Permitting portal, up to and including final confirmation sampling at the Site, performed on July 18, 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 19 final confirmation samples, including six (6) five-point composite floor samples and 13 five-point composite side wall samples from the excavated areas. The remediation excavations concluded as 5-foot, 7-foot, and 8 to 9.5-foot, deep excavations as shown in **Figure 3**, with a total area of 2,120 square feet and a sampling density of approximately one (1) confirmation sample per 354 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 1, 2025, subsequent to the receipt of confirmation sample results, McNabb completed the backfilling of the two excavated areas on the north side of the pad with 200 cubic yards of clean topsoil. On July 23, 2025, subsequent to completion of the southeastern excavation and receipt of confirmation results, McNabb completed backfilling the southeast excavation with 456 cubic yards of clean topsoil.

Clean topsoil was sourced from the nearby Blevins Pit. Photographic documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 2**.

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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 pasture areas, the disturbed northern remediation 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 4**.

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 is complete. Pasture areas have been reclaimed, and on-pad areas have been restored to the previous condition. Well pad Reclamation will be conducted at the end of the service life of the Jalmat Yates Pool Unit #216 well. If you have any questions concerning the remediation activities for the Site, please contact Chuck Terhune by phone at (281) 252-2093 or by email at chuck.terhune@tetrattech.com.

Sincerely,



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



Anna Capri Perez
Environmental Scientist
Tetra Tech, Inc.

cc: Mr. Bryce Wagoner, Breitbart 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 – Initial Site Assessment Sampling
- Table 3 – Summary of Analytical Results – Remediation Confirmation Sampling

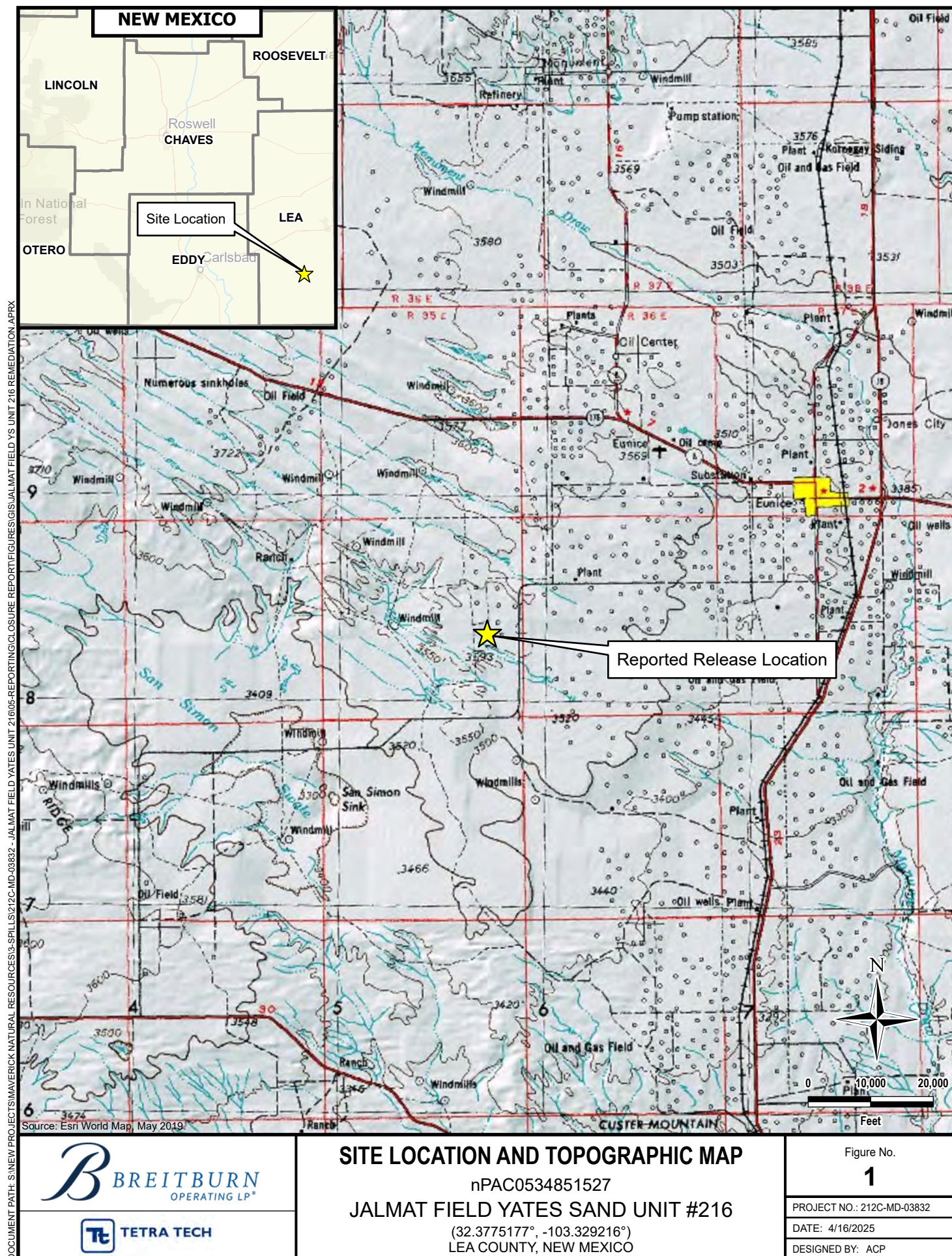
Attachments

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

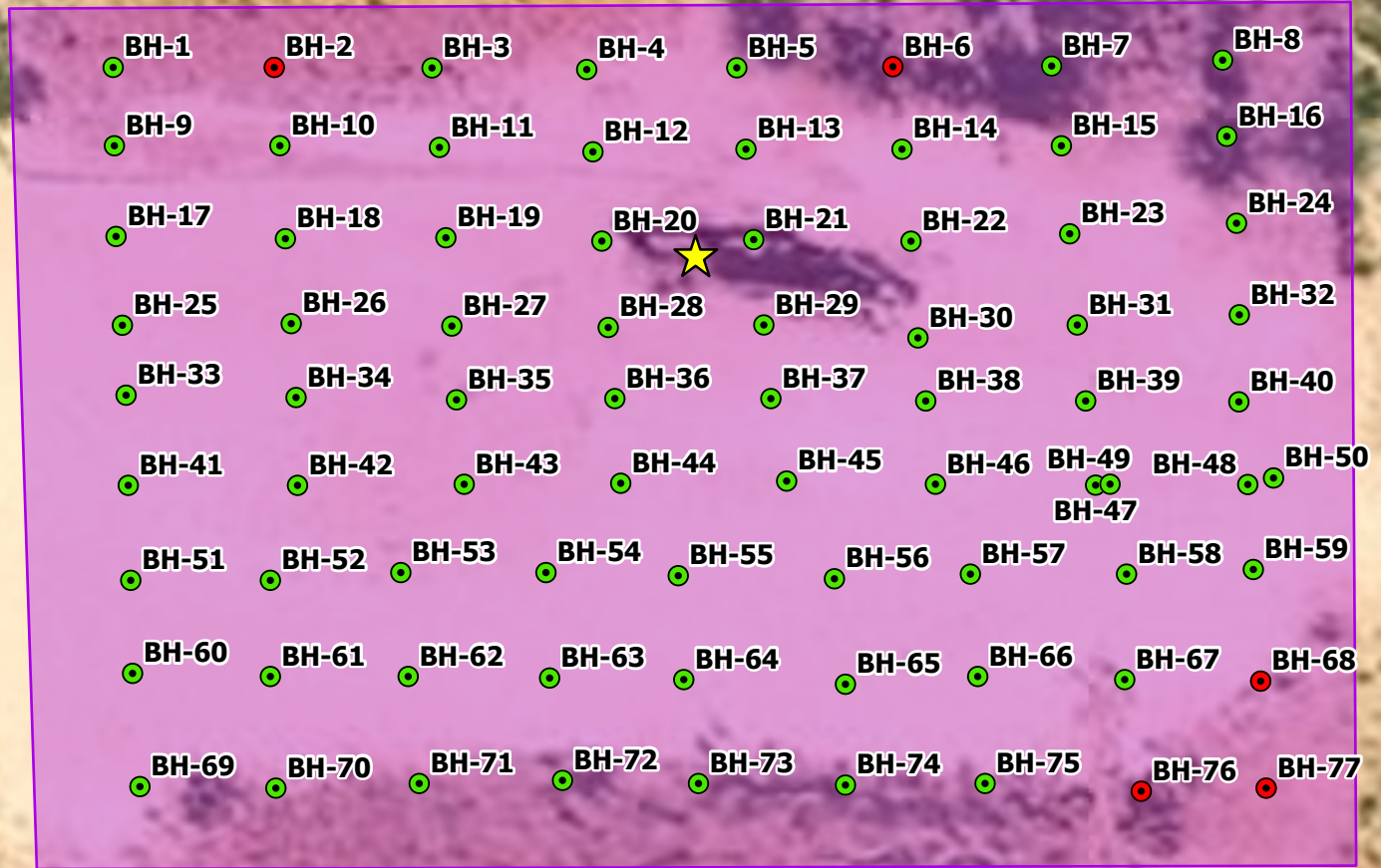
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FIGURES



DOCUMENT PATH: S:\NEW PROJECTS\MAVERICK NATURAL RESOURCES\SPILLS\2 - PENDING CLOSURE\212C-MD-03832 - JALMAT FIELD YATES UNIT 216\05-REPORTING\CLOSURE REPORT\FIGURES\JALMAT FIELD YS UNIT 216 REMEDIATION\APRX



- Reported Release Location
- Assessment Samples
- Assessment Samples Above RRAL Requirements
- Assessment Area

Source: Esri World Map, May 2019.

Approximate Scale in Feet

**RELEASE EXTENT AND SITE ASSESSMENT MAP**

nPAC0534851527

JALMAT FIELD YATES SAND UNIT #216(32.3775177°, -103.329216°)
LEA COUNTY, NEW MEXICO

Figure No.

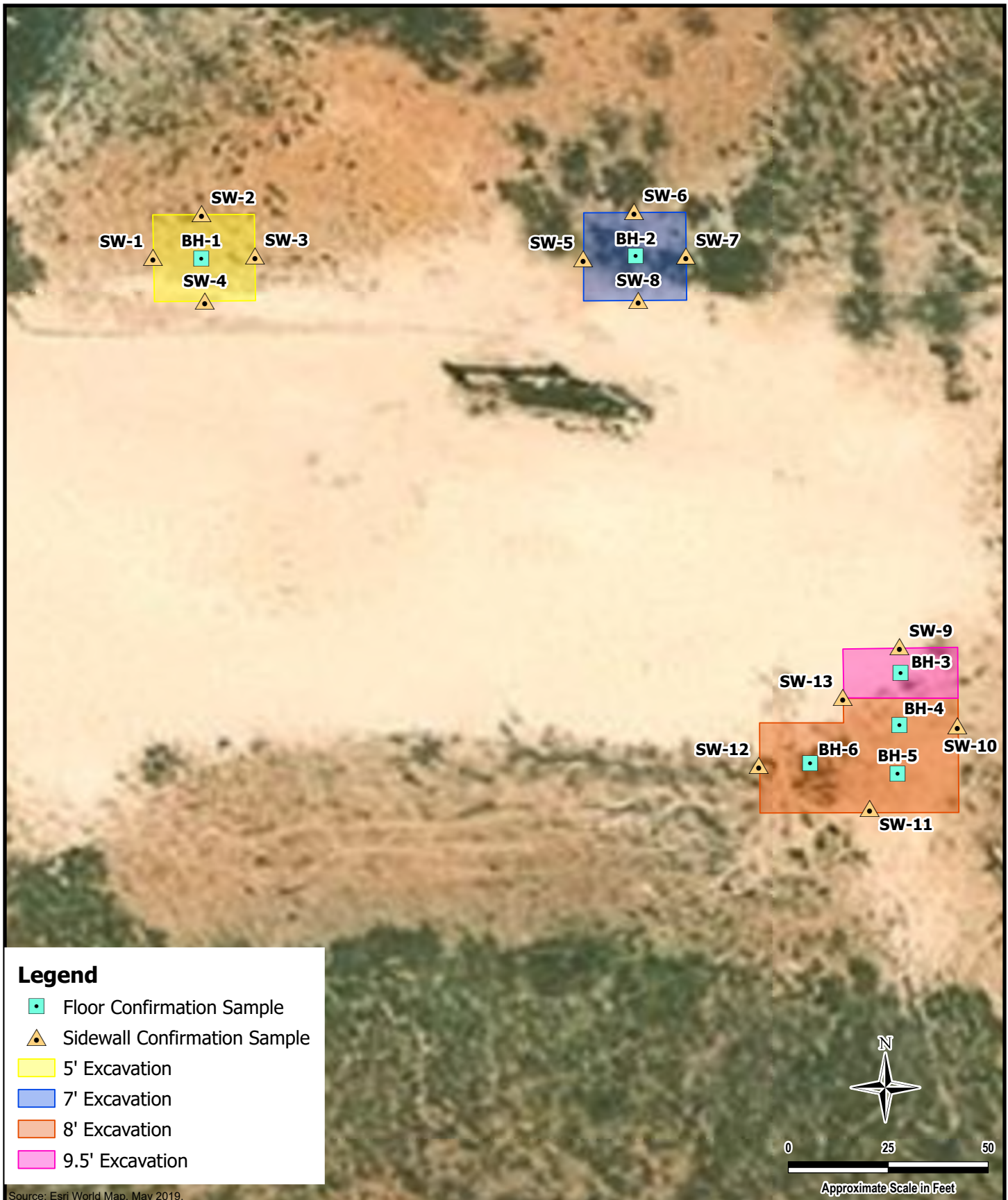
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PROJECT NO.: 212C-MD-03832

DATE: 7/29/2025

DESIGNED BY: ACP

DOCUMENT PATH: S:\NEW PROJECTS\MAVERICK NATURAL RESOURCES\SPILLS\2 - PENDING CLOSURE\212C-MD-03832 - JALMAT FIELD YATES UNIT 216\05-REPORTING\CLOSURE REPORT\FIGURES\GIS\JALMAT FIELD YS UNIT 216 REMEDIATION\APRX



BREITBURN
OPERATING LP*

TETRA TECH

REMEDATION EXTENTS AND CONFIRMATION SAMPLING

nPAC0534851527

JALMAT FIELD YATES SAND UNIT #216

(32.3775177°, -103.329216°)
LEA COUNTY, NEW MEXICO

Figure No.

3

PROJECT NO.: 212C-MD-03832

DATE: 7/29/2025

DESIGNED BY: ACP

Revised Remediation Report and Closure Request
Jalmat Yates Field Sand Unit #216
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TABLES

**TETRA TECH**

TABLE 1
SOIL ASSESSMENT LOCATIONS
INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216 RELEASE
LEA COUNTY, NEW MEXICO

Boring ID	Date	Latitude	Longitude
BH-1	3/19/2025	32.377715	-103.328918
BH-2	3/19/2025	32.377782	-103.329251
BH-3	3/19/2025	32.377782	-103.329251
BH-4	3/19/2025	32.377814	-103.329035
BH-5	3/19/2025	32.377814	-103.329035
BH-6	3/19/2025	32.377814	-103.329035
BH-7	3/19/2025	32.377809	-103.328906
BH-8	3/19/2025	32.377604	-103.329327
BH-9	3/19/2025	32.377641	-103.328964
BH-10	3/19/2025	32.377641	-103.328964
BH-11	3/19/2025	32.377641	-103.328964
BH-12	3/19/2025	32.377661	-103.329027
BH-13	3/19/2025	32.377661	-103.329027
BH-14	3/19/2025	32.377661	-103.329027
BH-15	3/19/2025	32.377661	-103.329027
BH-16	3/19/2025	32.377604	-103.329327
BH-17	3/19/2025	32.377676	-103.329214
BH-18	3/19/2025	32.377636	-103.329040
BH-19	3/19/2025	32.377652	-103.329001
BH-20	3/19/2025	32.377652	-103.329001
BH-21	3/19/2025	32.377652	-103.329001
BH-22	3/19/2025	32.377652	-103.329001
BH-23	3/19/2025	32.377652	-103.329001
BH-24	3/19/2025	32.377604	-103.329327
BH-25	3/19/2025	32.377659	-103.329039
BH-26	3/19/2025	32.377659	-103.329039
BH-27	3/19/2025	32.377659	-103.329039
BH-28	3/19/2025	32.377659	-103.329039
BH-29	3/19/2025	32.377659	-103.329039
BH-30	3/19/2025	32.377604	-103.329327
BH-31	3/19/2025	32.377659	-103.329039
BH-32	3/19/2025	32.377604	-103.329327
BH-33	3/19/2025	32.377662	-103.329025
BH-34	3/19/2025	32.377662	-103.329025
BH-35	3/19/2025	32.377662	-103.329025
BH-36	3/19/2025	32.377662	-103.329025
BH-37	3/19/2025	32.377662	-103.329025
BH-38	3/19/2025	32.377662	-103.329025
BH-39	3/19/2025	32.377662	-103.329025
BH-40	3/19/2025	32.377662	-103.329025
BH-41	3/19/2025	32.377640	-103.329113

**TETRA TECH**

TABLE 1
SOIL ASSESSMENT LOCATIONS
INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216 RELEASE
LEA COUNTY, NEW MEXICO

Boring ID	Date	Latitude	Longitude
BH-42	3/19/2025	32.377640	-103.329113
BH-43	3/19/2025	32.377640	-103.329113
BH-44	3/19/2025	32.377640	-103.329113
BH-45	3/19/2025	32.377640	-103.329113
BH-46	3/19/2025	32.377640	-103.329113
BH-47	3/19/2025	32.377640	-103.329113
BH-48	3/19/2025	32.377640	-103.329113
BH-49	6/17/2025	32.377314	-103.329051
BH-50	6/17/2025	32.377561	-103.329267
BH-51	6/17/2025	32.377561	-103.329267
BH-52	6/17/2025	32.377561	-103.329267
BH-53	6/17/2025	32.377561	-103.329267
BH-54	6/17/2025	32.377561	-103.329267
BH-55	6/17/2025	32.377561	-103.329267
BH-56	6/17/2025	32.377561	-103.329267
BH-57	6/17/2025	32.377561	-103.329267
BH-58	6/17/2025	32.377561	-103.329267
BH-59	6/17/2025	32.377412	-103.329229
BH-60	6/17/2025	32.377561	-103.329267
BH-61	6/17/2025	32.377561	-103.329267
BH-62	6/17/2025	32.377561	-103.329267
BH-63	6/17/2025	32.377561	-103.329267
BH-64	6/18/2025	32.377561	-103.329267
BH-65	6/18/2025	32.377561	-103.329267
BH-66	6/18/2025	32.377349	-103.329212
BH-67	6/18/2025	32.377349	-103.329212
BH-68	6/18/2025	32.377349	-103.329212
BH-69	6/18/2025	32.377349	-103.329212
BH-70	6/18/2025	32.377412	-103.329229
BH-71	6/18/2025	32.377415	-103.329226
BH-72	6/18/2025	32.377412	-103.329229
BH-73	6/18/2025	32.377413	-103.329234
BH-74	6/18/2025	32.377413	-103.329234
BH-75	6/18/2025	32.377413	-103.329234
BH-76	6/18/2025	32.377413	-103.329234
BH-77	6/18/2025	32.377413	-103.329234



TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		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)	
Reclamation Requirements (19.15.29 NMAC)			600		10							50								100		
BH 1 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 1 (3-4')	3/19/2025	3.0 - 4.0	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 2 (1-2')	3/19/2025	1.0 - 2.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 2 (3-4')	3/19/2025	3.0 - 4.0	976		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 3 (1-2')	3/19/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 3 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 4 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 4 (3-4')	3/19/2025	3.0 - 4.0	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 5 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 5 (3-4')	3/19/2025	3.0 - 4.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 6 (1-2')	3/19/2025	1.0 - 2.0	704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 6 (3-4')	3/19/2025	3.0 - 4.0	8,800		<0.050		<0.050		0.619		0.748		1.37		44.2		409		83.7	536.9		
BH 7 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 7 (3-4')	3/19/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 8 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 8 (3-4')	3/19/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 9 (1-2')	3/19/2025	1.0 - 2.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 9 (3-4')	3/19/2025	3.0 - 4.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 10 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 10 (3-4')	3/19/2025	3.0 - 4.0	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 11 (1-2')	3/19/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 11 (3-4')	3/19/2025	3.0 - 4.0	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 12 (1-2')	3/19/2025	1.0 - 2.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		12.0		25.9	37.9		
BH 12 (3-4')	3/19/2025	3.0 - 4.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 13 (1-2')	3/19/2025	1.0 - 2.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		17.4		<10.0	17.4		
BH 13 (3-4')	3/19/2025	3.0 - 4.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 14 (1-2')	3/19/2025	1.0 - 2.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 14 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 15 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 15 (3-4')	3/19/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 16 (1-2')	3/19/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 16 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 17 (1-2')	3/19/2025	1.0 - 2.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 17 (3-4')	3/19/2025	3.0 - 4.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 18 (1-2')	3/19/2025	1.0 - 2.0	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 18 (3-4')	3/19/2025	3.0 - 4.0	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		



TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		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 19 (1-2')	3/19/2025	1.0 - 2.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 19 (3-4')	3/19/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 20 (1-2')	3/19/2025	1.0 - 2.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 20 (3-4')	3/19/2025	3.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 21 (1-2')	3/19/2025	1.0 - 2.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 21 (3-4')	3/19/2025	3.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 22 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 22 (3-4')	3/19/2025	3.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 23 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 23 (3-4')	3/19/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 24 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 24 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 25 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 25 (3-4')	3/19/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 26 (1-2')	3/19/2025	1.0 - 2.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 26 (3-4')	3/19/2025	3.0 - 4.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 27 (1-2')	3/19/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 27 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 28 (1-2')	3/19/2025	1.0 - 2.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 28 (3-4')	3/19/2025	3.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		27.6		<10.0		27.6	
BH 29 (1-2')	3/19/2025	1.0 - 2.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 29 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 30 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 30 (3-4')	3/19/2025	3.0 - 4.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 31 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 31 (3-4')	3/19/2025	3.0 - 4.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 32 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 32 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 33 (1-2')	3/19/2025	1.0 - 2.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 33 (3-4')	3/19/2025	3.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 34 (1-2')	3/19/2025	1.0 - 2.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 34 (3-4')	3/19/2025	3.0 - 4.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 35 (1-2')	3/19/2025	1.0 - 2.0	192		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 35 (3-4')	3/19/2025	3.0 - 4.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 36 (1-2')	3/19/2025	1.0 - 2.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 36 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	



TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		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)	
Reclamation Requirements (19.15.29 NMAC)			600		10								50							100		
BH 37 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 37 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 38 (1-2')	3/19/2025	1.0 - 2.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 38 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 39 (1-2')	3/19/2025	1.0 - 2.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 39 (3-4')	3/19/2025	3.0 - 4.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 40 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 40 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 41 (1-2')	3/19/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 41 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 42 (1-2')	3/19/2025	1.0 - 2.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 42 (3-4')	3/19/2025	3.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 43 (1-2')	3/19/2025	1.0 - 2.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 43 (3-4')	3/19/2025	3.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 44 (1-2')	3/19/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 44 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 45 (1-2')	3/19/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 45 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 46 (1-2')	3/19/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 46 (3-4')	3/19/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 47 (1-2')	3/19/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 47 (3-4')	3/19/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 48 (1-2')	3/19/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH 48 (3-4')	3/19/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 49 (1'-2')	6/17/2025	1.0 - 2.0	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 49 (3'-4')	6/17/2025	3.0 - 4.0	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 50 (1'-2')	6/17/2025	1.0 - 2.0	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 50 (3'-4')	6/17/2025	3.0 - 4.0	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 51 (1'-2')	6/17/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 51 (3'-4')	6/17/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 52 (1'-2')	6/17/2025	1.0 - 2.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 52 (3'-4')	6/17/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 53 (1'-2')	6/17/2025	1.0 - 2.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 53 (3'-4')	6/17/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 54 (1'-2')	6/17/2025	1.0 - 2.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 54 (3'-4')	6/17/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 55 (1'-2')	6/17/2025	1.0 - 2.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 55 (3'-4')	6/17/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 56 (1'-2')	6/17/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		



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SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH (GRO+DRO+EXT DRO)	
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
Reclamation Requirements (19.15.29 NMAC)			600		10								50							100		
BH - 56 (3'-4')	6/17/2025	3.0 - 4.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 57 (1'-2')	6/17/2025	1.0 - 2.0	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 57 (3'-4')	6/17/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 58 (1'-2')	6/17/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 58 (3'-4')	6/17/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 59 (1'-2')	6/17/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 59 (3'-4')	6/17/2025	3.0 - 4.0	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 60 (1'-2')	6/17/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 60 (3'-4')	6/17/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 61 (1'-2')	6/17/2025	1.0 - 2.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 61 (3'-4')	6/17/2025	3.0 - 4.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 62 (1'-2')	6/17/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 62 (3'-4')	6/17/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 63 (1'-2')	6/17/2025	1.0 - 2.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 63 (3'-4')	6/17/2025	3.0 - 4.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 64 (1'-2')	6/17/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 64 (3'-4')	6/18/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 65 (1'-2')	6/18/2025	1.0 - 2.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 65 (3'-4')	6/18/2025	3.0 - 4.0	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 66 (1'-2')	6/18/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 66 (3'-4')	6/18/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 67 (1'-2')	6/18/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 67 (3'-4')	6/18/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 68 (1'-2')	6/18/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<100		2,850		1,350	4,200		
BH - 68 (3'-4')	6/18/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<100		3,020		1,370	4,390		
BH - 69 (1'-2')	6/18/2025	1.0 - 2.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 69 (3'-4')	6/18/2025	3.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 70 (1'-2')	6/18/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 70 (3'-4')	6/18/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 71 (1'-2')	6/18/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 71 (3'-4')	6/18/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 72 (1'-2')	6/18/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 72 (3'-4')	6/18/2025	3.0 - 4.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 73 (1'-2')	6/18/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 73 (3'-4')	6/18/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 74 (1'-2')	6/18/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 74 (3'-4')	6/18/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 75 (1'-2')	6/18/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		
BH - 75 (3'-4')	6/18/2025	3.0 - 4.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-		



TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT SAMPLING - INCIDENT NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
		feet bgs	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO)		
Reclamation Requirements (19.15.29 NMAC)			600		10								50							100		
BH - 76 (1'-2')	6/18/2025	1.0 - 2.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		155		110		265	
BH - 76 (3'-4')	6/18/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		613		336		949	
BH - 77 (1'-2')	6/18/2025	1.0 - 2.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		586		292		878	
BH - 77 (3'-4')	6/18/2025	3.0 - 4.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<100		1,140		711		1,851	

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 NPAC0534851527
BREITBURN OPERATING, LP
JALMAT FIELD YATES SAND UNIT #216
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Sample Depth	Chloride ¹		BTEX ²										TPH ³							
					Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO		DRO		EXT DRO		Total TPH	
														C ₆ - C ₁₀		> C ₁₀ - C ₂₈		> C ₂₈ - C ₃₆		(GRO+DRO+EXT DRO)		
feet bgs			mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
Reclamation Requirements (19.15.29 NMAC)			600		10								50								100	
BH - 1 (4')	3/27/2025	4.0 - 4.5	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH - 2 (7')	3/27/2025	7.0 - 7.5	230		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 3 (8')	7/16/2025	8.0 - 8.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		126		19.2		145.2	
BH 3 (9.5')	7/18/2025	9.5 - 10.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH 4 (8')	7/16/2025	8.0 - 8.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		73.4		<10.0		73.4	
BH 5 (8')	7/16/2025	8.0 - 8.5	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		59.8		<10.0		59.8	
BH 6 (8')	7/16/2025	8.0 - 8.5	48		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		70.1		<10.0		70.1	
SW 1	3/27/2025	0.0 - 4.0	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 2	3/27/2025	0.0 - 4.0	256		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 3	3/27/2025	0.0 - 4.0	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 4	3/27/2025	0.0 - 4.0	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 5	3/27/2025	0.0 - 7.0	80		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 6	3/27/2025	0.0 - 7.0	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 7	3/27/2025	0.0 - 7.0	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 8	3/27/2025	0.0 - 7.0	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 9	7/14/2025	0.0 - 8.0	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 10	7/14/2025	0.0 - 8.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 11	7/14/2025	0.0 - 8.0	16		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 12	7/14/2025	0.0 - 8.0	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
SW 13	7/16/2025	0.0 - 8.0	32		<0.050		<0.050		<0.050		<0.150		<0.300		<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

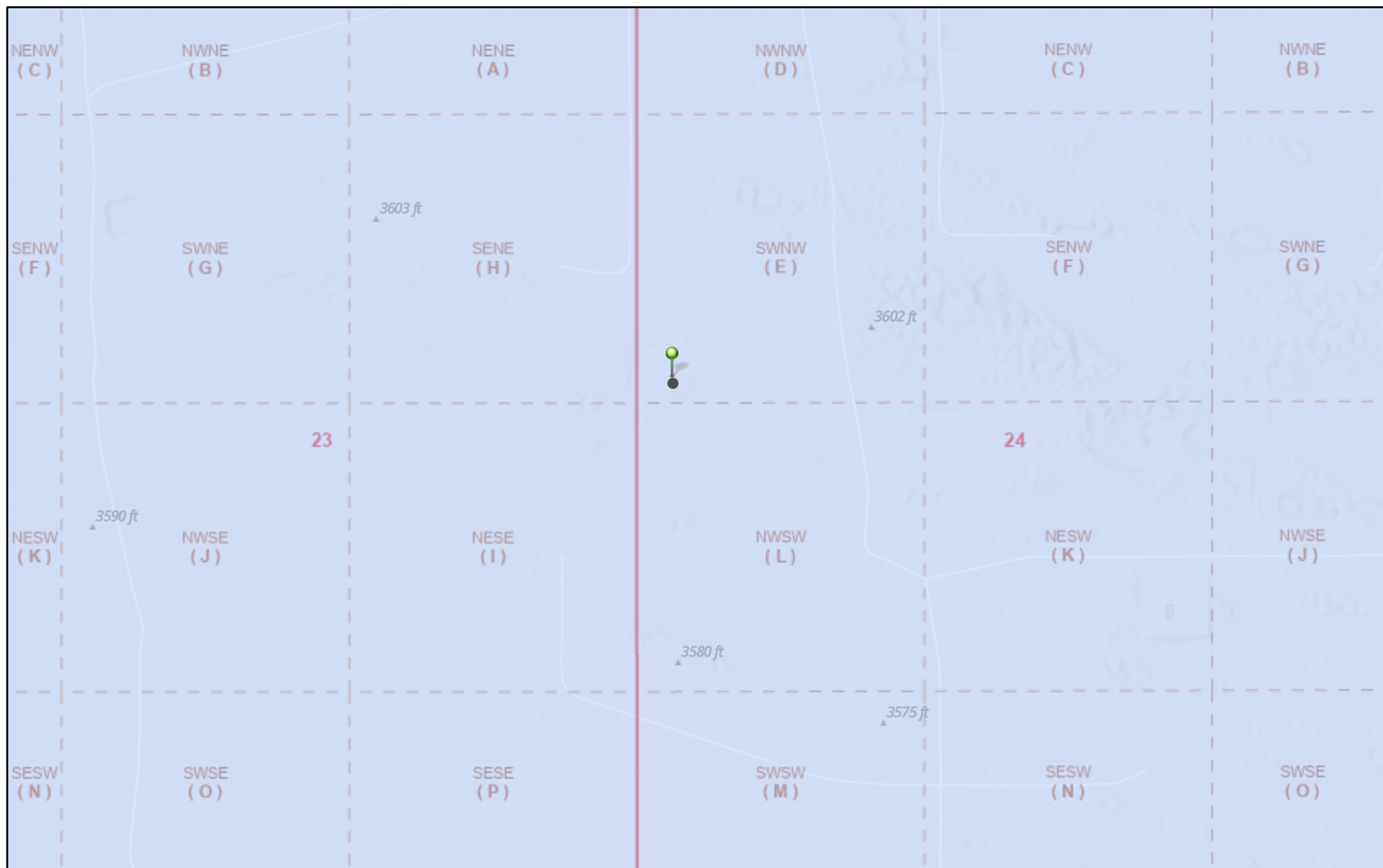
Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).
Laterally or vertically over excavated and resampled

Revised Remediation Report and Closure Request
Jalmat Yates Field Sand Unit #216
Incident ID# nPAC0534851527

Breitburn Operating, LP
July 28, 2025

ATTACHMENT 1 – SITE CHARACTERIZATION DATA

Jalmat Field Yates Sand Unit #216



12/6/2024, 3:07:48 PM



Override 1

Karst Occurrence Potential

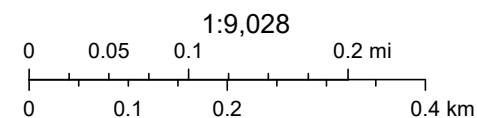
Low



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

Soil Map—Lea County, New Mexico
(Jalmat Field Yates Sand Unit #216)



Soil Map—Lea County, New Mexico
(Jalmat Field Yates Sand Unit #216)

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
PU	Pyote and Maljamar fine sands	3.9	100.0%
Totals for Area of Interest		3.9	100.0%



Jalmat Field Yates Sand Unit #216



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 FIRMMette



103°20'4"W 32°22'54"N



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

1:6,000

103°19'26"W 32°22'24"N

Released to Imaging: 8/4/2025 4:28:16 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
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect 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 5:00 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.

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.

12/26/24 7:49 AM MST

Point of Diversion Summary

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Released to Imaging: 8/4/2025 4:28:16 PM

Revised Remediation Report and Closure Request
Jalmat Yates Field Sand Unit #216
Incident ID# nPAC0534851527

Breitburn Operating, LP
July 28, 2025

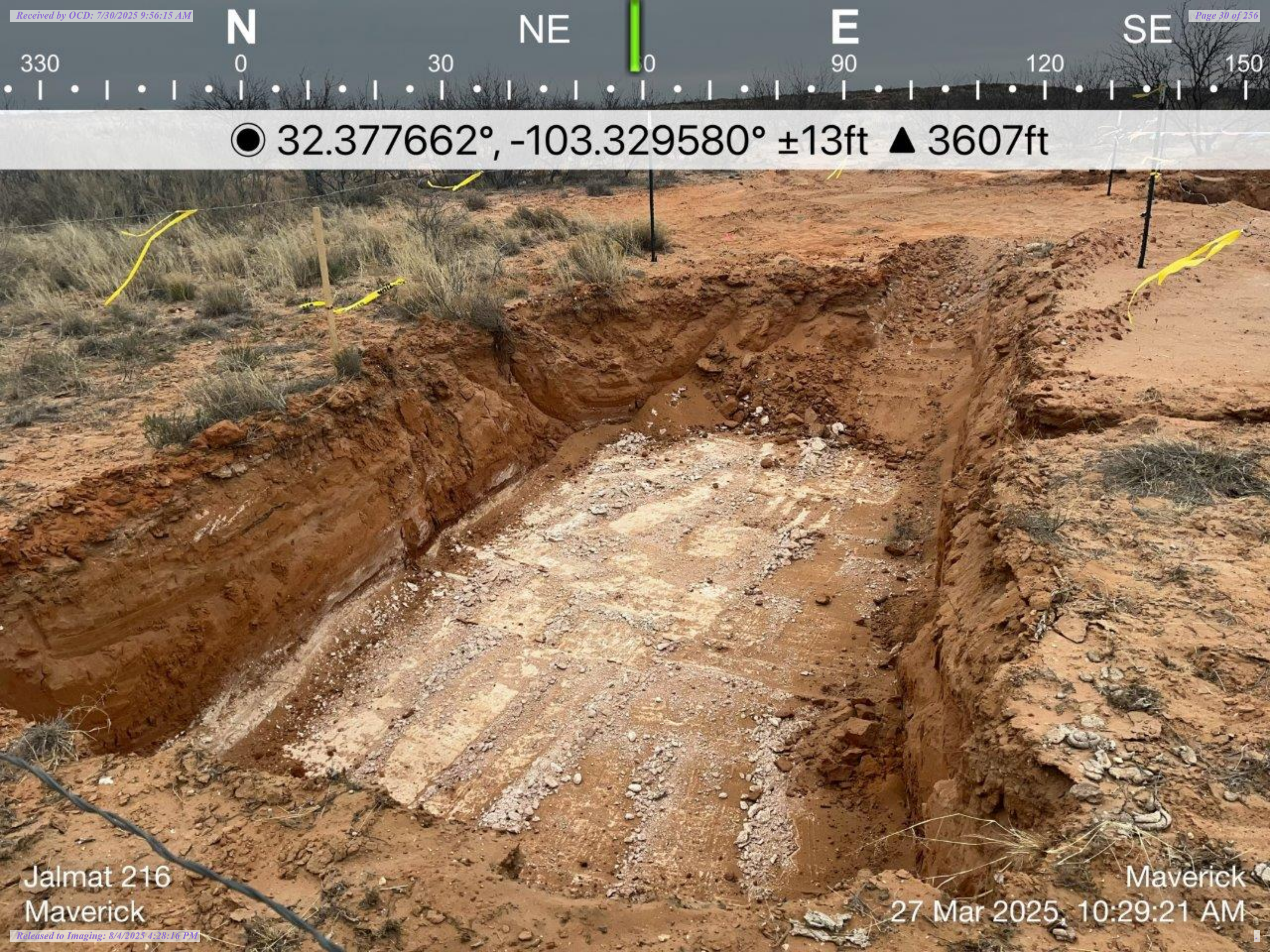
ATTACHMENT 2 – PHOTOGRAPHIC LOG



● 32.377649°, -103.329550° ±9ft ▲ 3609ft

Jalmat 216
Maverick

Maverick
27 Mar 2025, 10:29:15 AM



© 32.377662°, -103.329580° ±13ft ▲ 3607ft

Jalmat 216
Maverick

Maverick
27 Mar 2025, 10:29:21 AM

SW

W

NW

N

210

240

270

300

330

0

● 32.377734°, -103.329505° ±9ft ▲ 3617ft



Jalmat 216
Maverick

Maverick
27 Mar 2025, 10:29:41 AM



☀ 142°SE (T) ● 32.377688°N, 103.329400°W ±16ft ▲ 3584ft

Excavation boundary's at 7'
Maverick

JalMat 216
31 Mar 2025 08:59:54



NE

E

SE

S

30

60

90

120

150

180

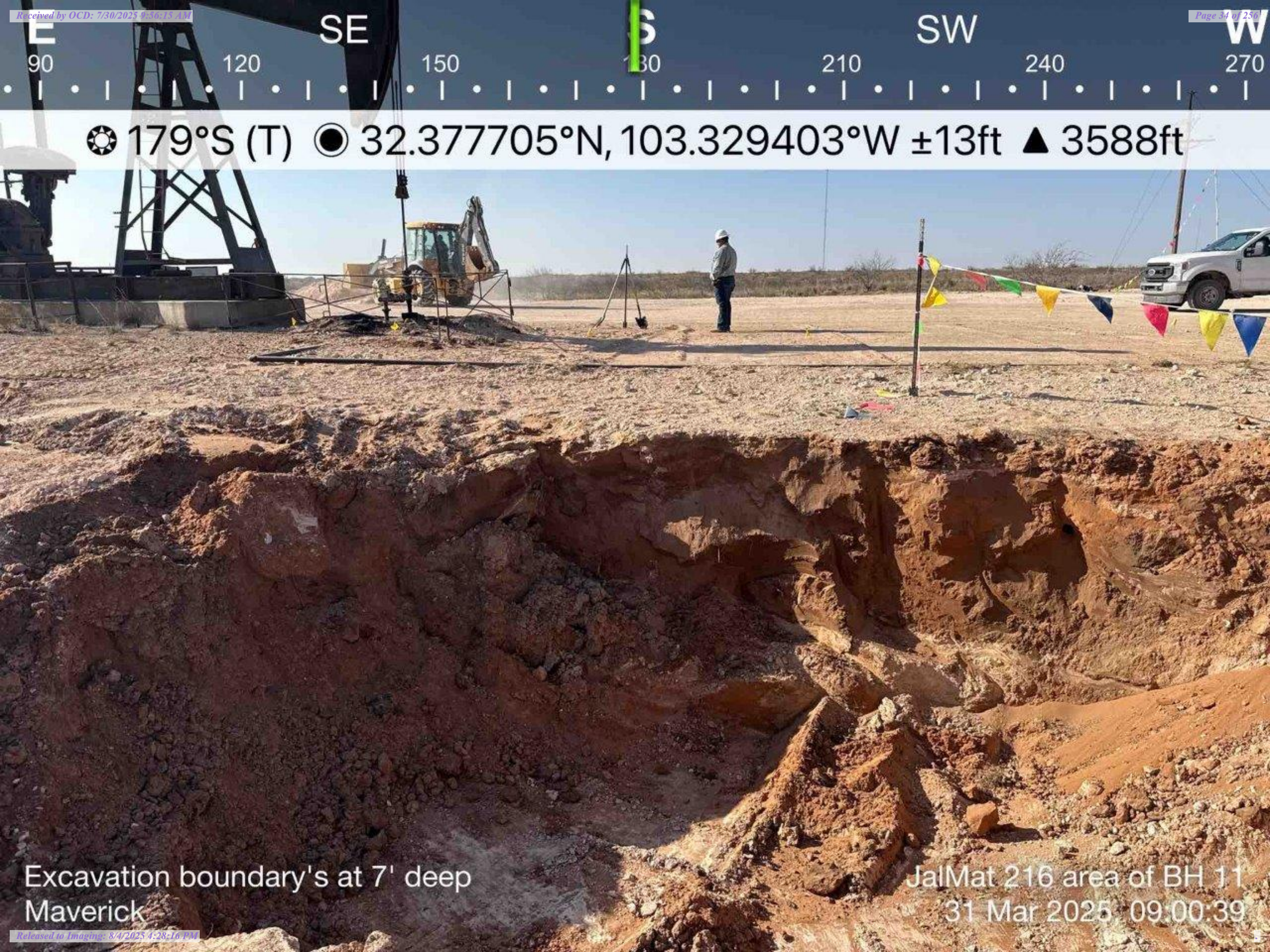
210

☼ 114°SE (T) ● 32.377704°N, 103.329322°W ±75ft ▲ 3587ft

Excavation boundary's at 7'
Maverick

JalMat 216

31 Mar 2025, 09:00:25



SE

S

SW

W

90

120

150

180

210

240

270

☀ 179°S (T) ☉ 32.377705°N, 103.329403°W ±13ft ▲ 3588ft

Excavation boundary's at 7' deep
Maverick

JalMat 216 area of BH 11
31 Mar 2025 09:00:39



S

SW

W

NW

50

180

210

240

270

300

330

☀ 244°SW (T) ● 32.377742°N, 103.329498°W ±13ft ▲ 3589ft

Excavation boundary's at 4' deep
Maverick

JalMat 216 area of BH 2
31 Mar 2025, 09:01:21

North East Elevation

☉ 232°SW (T) LAT: 32.377774 LON: -103.329409 ±13ft ▲ 3587ft



JALMAT 216

02 Apr 2025, 10:02:34

South West Elevation

☀ 40°NE (T) **LAT: 32.377656 LON: -103.329560 ±9ft ▲ 3585ft**



JAL 6
02 Apr 2025, 14:14:55

Revised Remediation Report and Closure Request
Jalmat Yates Field Sand Unit #216
Incident ID# nPAC0534851527

Breitburn Operating, LP
July 28, 2025

ATTACHMENT 3 – LABORATORY DATA



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

March 24, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT FIELD YATES SAND UNIT #216

Enclosed are the results of analyses for samples received by the laboratory on 03/19/25 15:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 1 (1-2') (H251630-01)

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	03/20/2025	ND	2.07	104	2.00	8.21	QM-07	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/21/2025	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	03/21/2025	ND	225	112	200	6.90	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	207	103	200	5.92	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 1 (3-4') (H251630-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	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	304	16.0	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 2 (1-2') (H251630-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	176	16.0	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 2 (3-4') (H251630-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	976	16.0	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 3 (1-2') (H251630-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 3 (3-4') (H251630-06)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.5 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 4 (1-2') (H251630-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 4 (3-4') (H251630-08)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEX	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 5 (1-2') (H251630-09)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 5 (3-4') (H251630-10)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	03/21/2025	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	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 6 (1-2') (H251630-11)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 6 (3-4') (H251630-12)

BTX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	2.07	104	2.00	8.21	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2	GC-NC
Ethylbenzene*	0.619	0.050	03/20/2025	ND	2.49	124	2.00	17.1	
Total Xylenes*	0.748	0.150	03/20/2025	ND	7.37	123	6.00	17.4	GC-NC1
Total BTX	1.37	0.300	03/20/2025	ND					GC-NC1

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	03/20/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	44.2	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	409	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	83.7	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 7 (1-2') (H251630-13)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 93.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 7 (3-4') (H251630-14)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 8 (1-2') (H251630-15)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 8 (3-4') (H251630-16)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 9 (1-2') (H251630-17)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 9 (3-4') (H251630-18)

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	03/20/2025	ND	2.07	104	2.00	8.21		
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	192	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 10 (1-2') (H251630-19)

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	03/20/2025	ND	2.07	104	2.00	8.21	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4	
Total BTEx	<0.300	0.300	03/20/2025	ND					

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

Chloride, SM4500CI-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	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 10 (3-4') (H251630-20)

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	03/20/2025	ND	2.07	104	2.00	8.21	
Toluene*	<0.050	0.050	03/20/2025	ND	2.29	115	2.00	15.2	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.49	124	2.00	17.1	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	7.37	123	6.00	17.4	
Total BTEx	<0.300	0.300	03/20/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 11 (1-2') (H251630-21)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	207	104	200	2.16	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	100	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 11 (3-4') (H251630-22)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 142 % 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	336	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 12 (1-2') (H251630-23)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	12.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	25.9	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 12 (3-4') (H251630-24)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	192	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 13 (1-2') (H251630-25)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	17.4	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 13 (3-4') (H251630-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 14 (1-2') (H251630-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	64.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 14 (3-4') (H251630-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26	
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44	
Total BTX	<0.300	0.300	03/20/2025	ND					

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

Chloride, SM4500CI-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	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 15 (1-2') (H251630-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-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	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.0 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 15 (3-4') (H251630-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/20/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.3 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 16 (1-2') (H251630-31)

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	03/20/2025	ND	2.00	100	2.00	7.26	
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	<16.0	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 16 (3-4') (H251630-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 17 (1-2') (H251630-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	176	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 17 (3-4') (H251630-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	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	128	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.9 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 18 (1-2') (H251630-35)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	448	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 18 (3-4') (H251630-36)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	464	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 19 (1-2') (H251630-37)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	192	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 19 (3-4') (H251630-38)

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	03/20/2025	ND	2.00	100	2.00	7.26	
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 20 (1-2') (H251630-39)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	208	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 20 (3-4') (H251630-40)

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	03/20/2025	ND	2.00	100	2.00	7.26		
Toluene*	<0.050	0.050	03/20/2025	ND	2.09	105	2.00	8.74		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.20	110	2.00	8.05		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.69	112	6.00	7.44		
Total BTEx	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	112	16.0	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.9 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 21 (1-2') (H251630-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/21/2025	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	03/21/2025	ND	208	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	201	101	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 21 (3-4') (H251630-42)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	112	16.0	03/21/2025	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	03/20/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 22 (1-2') (H251630-43)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/21/2025	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	03/20/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 22 (3-4') (H251630-44)

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	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	96.0	16.0	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 23 (1-2') (H251630-45)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 23 (3-4') (H251630-46)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	16.0	16.0	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 24 (1-2') (H251630-47)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	16.0	16.0	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 24 (3-4') (H251630-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 25 (1-2') (H251630-49)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 25 (3-4') (H251630-50)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	03/21/2025	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	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 110 % 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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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Mall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4539
Fax (432) 682-3946

Client Name: Maverick Natural Resources

Site Manager: Chris Straub

Project Name: Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state) Lea County, NM

Project #:

Invoice to: Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX				PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			
BH 1 (1-2')		3/19/2025	6:00	X			X			1 N	
BH 1 (3-4')		3/19/2025	6:10	X			X			1 N	
BH 2 (1-2')		3/19/2025	6:20	X			X			1 N	
BH 2 (3-4')		3/19/2025	6:30	X			X			1 N	
BH 3 (1-2')		3/19/2025	6:40	X			X			1 N	
BH 3 (3-4')		3/19/2025	6:50	X			X			1 N	
BH 4 (1-2')		3/19/2025	7:00	X			X			1 N	
BH 4 (3-4')		3/19/2025	7:10	X			X			1 N	
BH 5 (1-2')		3/19/2025	7:20	X			X			1 N	
BH 5 (3-4')		3/19/2025	7:30	X			X			1 N	

Relinquished by: *[Signature]* Date: 3/19/2025 Time: 1505
Relinquished by: *[Signature]* Date: 3/19/2025 Time: 1505
Relinquished by: *[Signature]* Date: 3/19/2025 Time: 1505

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	X
TPH TX1005 (Ext to C35)	X
TPH 8015M (GRO - DRO - ORO)	X
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride 300-0	X
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Asbestos	
pH EPA Method 9045C or equivalent	
EC (Electroconductivity)	
Hold	

LAB USE ONLY

REMARKS:

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature: -0.34/40.3/-0.34/41.15

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Hold

1

1

1

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Released to Imaging: 8/4/2025 4:28:16 PM

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **Maverick Natural Resources** Site Manager: **Chris Straub**

Project Name: **Jaimat Field Yates Sand Unit #216** Contact Info: chris.straub@tetratech.com

Project Location: (county, state) **Lea County, NM** Project #:

Invoice to: **Tetratech**

Receiving Laboratory: **Cardinal Laboratories** Sampler Signature: **Adrian Garcia**

Comments: **jorge.fernandez@tetratech.com**

LAB #	LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	
			DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE
21		BH 11 (1-2)	3/19/2025	8:20	X				X	1 N	
22		BH 11 (3-4)	3/19/2025	8:25	X				X	1 N	
23		BH 12 (1-2)	3/19/2025	8:30	X				X	1 N	
24		BH 12 (3-4)	3/19/2025	8:35	X				X	1 N	
25		BH 13(1-2)	3/19/2025	8:40	X				X	1 N	
26		BH 13 (3-4)	3/19/2025	8:45	X				X	1 N	
27		BH 14 (1-2)	3/19/2025	8:50	X				X	1 N	
28		BH 14 (3-4)	3/19/2025	8:55	X				X	1 N	
29		BH 15 (1-2)	3/19/2025	9:00	X				X	1 N	
30		BH 15 (3-4)	3/19/2025	9:05	X				X	1 N	

Relinquished by: **Adrian Garcia** Date: **3/19** Time: **1505**

Received by: **Adrian Garcia** Date: **3-19-25** Time: **1505**

Relinquished by: Date: Time:

Received by: Date: Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300.0 4500
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	Asbestos
<input checked="" type="checkbox"/>	pH EPA Method 9045C or equivalent
<input checked="" type="checkbox"/>	EC (Electroconductivity)
<input checked="" type="checkbox"/>	Hold

LAB USE ONLY

REMARKS:

☒ RUSH: Same Day 24 hr 48 hr **72 hr**

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Analysis Request of Custody Record

Client Name: **Maverick Natural Resources**

Site Manager: **Chris Straub**

Project Name:

Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state)
Lea County, NM

Project #:

Invoice to:

Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #	LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
			DATE	TIME	WATER	SOIL	HCL	HNO ₃		
135103		BH 16 (1-2')	3/19/2025	9:10	X		X		1 N	
33		BH 16(3-4')	3/19/2025	9:15	X		X		1 N	
33		BH 17 (1-2')	3/19/2025	9:20	X		X		1 N	
34		BH 17 (3-4')	3/19/2025	9:25	X		X		1 N	
35		BH 18(1-2')	3/19/2025	9:30	X		X		1 N	
36		BH 18 (3-4')	3/19/2025	9:35	X		X		1 N	
37		BH 19 (1-2')	3/19/2025	9:40	X		X		1 N	
38		BH 19 (3-4')	3/19/2025	9:45	X		X		1 N	
39		BH 20 (1-2')	3/19/2025	9:50	X		X		1 N	
40		BH 20 (3-4')	3/19/2025	9:55	X		X		1 N	

Relinquished by: *Chris Straub* Date: *3/19/25* Time: *1505*
Received by: *Adrian Garcia* Date: *3/19/25* Time: *1505*

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

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride 300-0 <i>4500</i>
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	Asbestos
<input checked="" type="checkbox"/>	pH EPA Method 9045C or equivalent
<input checked="" type="checkbox"/>	EC (Electroconductivity)
<input checked="" type="checkbox"/>	Hold

REMARKS:

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

LAB USE ONLY
Sample Temperature
-0.6°C / 31.1°F

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

ANALYSIS REQUEST

(Circle or Specify Method No.)

Client Name: Maverick Natural Resources

Site Manager: Chris Straub

Project Name: Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state) Lea County, NM

Project #:

Invoice to: Tetratech

Receiving Laboratory: Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #
LAB USE ONLY

DATE	TIME	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		2023		WATER	SOIL	HCL	HNO ₃		

41	BH 21 (1-2)	3/19/2025	10:00	X			X	1	N
42	BH 21 (3-4)	3/19/2025	10:05	X			X	1	N
43	BH 22 (1-2)	3/19/2025	10:10	X			X	1	N
44	BH 22 (3-4)	3/19/2025	10:15	X			X	1	N
45	BH 23 (1-2)	3/19/2025	10:20	X			X	1	N
46	BH 23 (3-4)	3/19/2025	10:25	X			X	1	N
47	BH 24 (1-2)	3/19/2025	10:30	X			X	1	N
48	BH 24 (3-4)	3/19/2025	10:35	X			X	1	N
49	BH 25 (1-2)	3/19/2025	10:40	X			X	1	N
50	BH 25 (3-4)	3/19/2025	10:45	X			X	1	N

Relinquished by: *Chloe* Date: 3/19/25 Time: 15:05

Received by: *Adrian* Date: 3-19-25 Time: 15:05

Relinquished by: *Chloe* Date: 3/19/25 Time: 15:05

Received by: *Adrian* Date: 3-19-25 Time: 15:05

Relinquished by: *Chloe* Date: 3/19/25 Time: 15:05

Received by: *Adrian* Date: 3-19-25 Time: 15:05

LAB USE ONLY

REMARKS:

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

Sample Temperature: 0.10 / 6.03 / -0.30 #140

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

March 24, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT FIELD YATES SAND UNIT #216

Enclosed are the results of analyses for samples received by the laboratory on 03/19/25 15:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 26 (1-2') (H251631-01)

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	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	96.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 26 (3-4') (H251631-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	80.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 27 (1-2') (H251631-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-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	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 27 (3-4') (H251631-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	48.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 28 (1-2') (H251631-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/20/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	5.95	99.2	6.00	2.39		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	112	16.0	03/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 28 (3-4') (H251631-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/21/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.95	99.2	6.00	2.39	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	144	16.0	03/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	27.6	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 29 (1-2') (H251631-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/21/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.95	99.2	6.00	2.39	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	128	16.0	03/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 29 (3-4') (H251631-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2025	ND	1.94	97.0	2.00	0.680	
Toluene*	<0.050	0.050	03/21/2025	ND	1.98	99.0	2.00	1.88	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	2.57	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.95	99.2	6.00	2.39	
Total BTX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 30 (1-2') (H251631-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/21/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.95	99.2	6.00	2.39		
Total BTX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 30 (3-4') (H251631-10)

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	03/21/2025	ND	1.94	97.0	2.00	0.680		
Toluene*	<0.050	0.050	03/21/2025	ND	1.98	99.0	2.00	1.88		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.02	101	2.00	2.57		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	5.95	99.2	6.00	2.39		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	80.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 31 (1-2') (H251631-11)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	QM-07	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	QM-07	
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	205	103	200	9.64	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	206	103	200	4.65	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 31 (3-4') (H251631-12)

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	03/21/2025	ND	2.26	113	2.00	5.39	
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	80.0	16.0	03/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 128 % 44.4-145

Surrogate: 1-Chlorooctadecane 131 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 32 (1-2') (H251631-13)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	16.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 135 % 44.4-145

Surrogate: 1-Chlorooctadecane 141 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 32 (3-4') (H251631-14)

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	03/21/2025	ND	2.26	113	2.00	5.39	
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	03/20/2025	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 132 % 44.4-145

Surrogate: 1-Chlorooctadecane 137 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 33 (1-2') (H251631-15)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 138 % 44.4-145

Surrogate: 1-Chlorooctadecane 142 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 33 (3-4') (H251631-16)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 134 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 34 (1-2') (H251631-17)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	144	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 134 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 34 (3-4') (H251631-18)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEx	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 134 % 44.4-145

Surrogate: 1-Chlorooctadecane 137 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 35 (1-2') (H251631-19)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEx	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 139 % 44.4-145

Surrogate: 1-Chlorooctadecane 141 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 35 (3-4') (H251631-20)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/20/2025	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 129 % 44.4-145

Surrogate: 1-Chlorooctadecane 131 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 36 (1-2') (H251631-21)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	64.0	16.0	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 133 % 44.4-145

Surrogate: 1-Chlorooctadecane 136 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 36 (3-4') (H251631-22)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 131 % 44.4-145

Surrogate: 1-Chlorooctadecane 135 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 37 (1-2') (H251631-23)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 135 % 44.4-145

Surrogate: 1-Chlorooctadecane 139 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 37 (3-4') (H251631-24)

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	03/21/2025	ND	2.26	113	2.00	5.39	
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	
Total BTEX	<0.300	0.300	03/21/2025	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	32.0	16.0	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 137 % 44.4-145

Surrogate: 1-Chlorooctadecane 142 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 38 (1-2') (H251631-25)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	64.0	16.0	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 131 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 38 (3-4') (H251631-26)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2025	ND	2.26	113	2.00	5.39	
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 133 % 44.4-145

Surrogate: 1-Chlorooctadecane 140 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 39 (1-2') (H251631-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2025	ND	2.26	113	2.00	5.39	
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	144	16.0	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 132 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 39 (3-4') (H251631-28)

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	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	208	16.0	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 130 % 44.4-145

Surrogate: 1-Chlorooctadecane 132 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 40 (1-2') (H251631-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 132 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 40 (3-4') (H251631-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2025	ND	2.26	113	2.00	5.39		
Toluene*	<0.050	0.050	03/21/2025	ND	2.42	121	2.00	5.79		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.62	131	2.00	7.31		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	8.06	134	6.00	7.51		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 136 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 41 (1-2') (H251631-31)

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	03/20/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/21/2025	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	03/21/2025	ND	209	104	200	1.88	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	204	102	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 136 % 44.4-145

Surrogate: 1-Chlorooctadecane 139 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 41 (3-4') (H251631-32)

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	03/20/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.1 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 42 (1-2') (H251631-33)

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	03/20/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	112	16.0	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.6 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 42 (3-4') (H251631-34)

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	03/20/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820		
Total BTX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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CHRIS STRAUB
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MIDLAND TX, 79701
Fax To: (432) 682-3946

Received:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 43 (1-2') (H251631-35)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	208	16.0	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 43 (3-4') (H251631-36)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/20/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820	
Total BTX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	96.0	16.0	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 44 (1-2') (H251631-37)

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	03/20/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 44 (3-4') (H251631-38)

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	03/20/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820	
Total BTEX	<0.300	0.300	03/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 45 (1-2') (H251631-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/20/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/20/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/20/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/20/2025	ND	6.17	103	6.00	0.820		
Total BTEX	<0.300	0.300	03/20/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.3 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 45 (3-4') (H251631-40)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEx	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/21/2025	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	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 46 (1-2') (H251631-41)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	03/20/2025	ND	432	108	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 46 (3-4') (H251631-42)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEx	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/20/2025	ND	432	108	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/20/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/20/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/20/2025	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 47 (1-2') (H251631-43)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEX	<0.300	0.300	03/21/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	16.0	16.0	03/20/2025	ND	432	108	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.2 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 47 (3-4') (H251631-44)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEx	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-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	03/20/2025	ND	432	108	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 48 (1-2') (H251631-45)

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	03/21/2025	ND	1.95	97.7	2.00	2.52		
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385		
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43		
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820		
Total BTEx	<0.300	0.300	03/21/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/20/2025	ND	432	108	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 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:	03/19/2025	Sampling Date:	03/19/2025
Reported:	03/24/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY, NM		

Sample ID: BH 48 (3-4') (H251631-46)

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	03/21/2025	ND	1.95	97.7	2.00	2.52	
Toluene*	<0.050	0.050	03/21/2025	ND	2.03	101	2.00	0.385	
Ethylbenzene*	<0.050	0.050	03/21/2025	ND	2.03	102	2.00	1.43	
Total Xylenes*	<0.150	0.150	03/21/2025	ND	6.17	103	6.00	0.820	
Total BTEX	<0.300	0.300	03/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	<16.0	16.0	03/20/2025	ND	432	108	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/21/2025	ND	195	97.4	200	4.22	
DRO >C10-C28*	<10.0	10.0	03/21/2025	ND	188	94.0	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	03/21/2025	ND					

Surrogate: 1-Chlorooctane 79.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 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

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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St. Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Page 6 of

ANALYSIS REQUEST

(Circle or Specify Method No.)

Page 49 of 53

Client Name: Maverick Natural Resources		Site Manager: Chris Straub																																																																																																											
Project Name: Jalmit Field Yates Sand Unit #216		Contact Info: chris.straub@tetratech.com																																																																																																											
Project Location: (county, state) Lea County, NM		Project #:																																																																																																											
Invoice to: Tetratech		Sampler Signature: Adrian Garcia																																																																																																											
Receiving Laboratory: Cardinal Laboratories		Comments:																																																																																																											
<p>LAB USE ONLY</p> <p>LAB # <u>185108</u></p> <p>SAMPLE IDENTIFICATION</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">SAMPLING</th> <th colspan="2">MATRIX</th> <th colspan="2">PRESERVATIVE METHOD</th> <th rowspan="2"># CONTAINERS</th> <th rowspan="2">FILTERED (Y/N)</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>WATER</th> <th>SOIL</th> <th>HCL</th> <th>HNO₃</th> <th>ICE</th> </tr> </thead> <tbody> <tr> <td>BH 26 (1-2)</td> <td>3/19/2025</td> <td>10:50</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 26 (3-4)</td> <td>3/19/2025</td> <td>10:55</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 27 (1-2)</td> <td>3/19/2025</td> <td>11:00</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 27 (3-4)</td> <td>3/19/2025</td> <td>11:05</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 28 (1-2)</td> <td>3/19/2025</td> <td>11:10</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 28 (3-4)</td> <td>3/19/2025</td> <td>11:15</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 29 (1-2)</td> <td>3/19/2025</td> <td>11:20</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 29 (3-4)</td> <td>3/19/2025</td> <td>11:25</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 30 (1-2)</td> <td>3/19/2025</td> <td>11:30</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> <tr> <td>BH 30 (3-4)</td> <td>3/19/2025</td> <td>11:35</td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td>1 N</td> </tr> </tbody> </table> <p>Relinquished by: <u>Chris Straub</u> Date: <u>3/19/25</u> Time: <u>15:05</u></p> <p>Relinquished by: <u>Adrian Garcia</u> Date: <u>3/19/25</u> Time: <u>15:05</u></p> <p>Received by: <u>Adrian Garcia</u> Date: <u>3/19/25</u> Time: <u>15:05</u></p> <p>Received by: <u>Adrian Garcia</u> Date: <u>3/19/25</u> Time: <u>15:05</u></p>					SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	BH 26 (1-2)	3/19/2025	10:50	X				X	1 N	BH 26 (3-4)	3/19/2025	10:55	X				X	1 N	BH 27 (1-2)	3/19/2025	11:00	X				X	1 N	BH 27 (3-4)	3/19/2025	11:05	X				X	1 N	BH 28 (1-2)	3/19/2025	11:10	X				X	1 N	BH 28 (3-4)	3/19/2025	11:15	X				X	1 N	BH 29 (1-2)	3/19/2025	11:20	X				X	1 N	BH 29 (3-4)	3/19/2025	11:25	X				X	1 N	BH 30 (1-2)	3/19/2025	11:30	X				X	1 N	BH 30 (3-4)	3/19/2025	11:35	X				X	1 N
	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)																																																																																																					
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<p>LAB USE ONLY</p> <p>REMARKS:</p> <p><input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr <u>72 hr</u></p> <p><input type="checkbox"/> Rush Charges Authorized</p> <p><input type="checkbox"/> Special Report Limits or TRRP Report</p> <p>Sample Temperature: <u>-0.6°C / 31.1°F</u></p> <p>(Circle) HAND DELIVERED FEDEX UPS Tracking #:</p>																																																																																																													
<p>ANALYSIS REQUEST</p> <p>(Circle or Specify Method No.)</p> <p>BTEX 8021B</p> <p>TPH TX1005 (Ext to C35)</p> <p>TPH 8015M (3RO - DRO - ORO)</p> <p>PAH 8270C</p> <p>Total Metals Ag As Ba Cd Cr Pb Se Hg</p> <p>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</p> <p>TCLP Volatiles</p> <p>TCLP Semi Volatiles</p> <p>RCI</p> <p>GC/MS Vol. 8260B / 624</p> <p>GC/MS Semi. Vol. 8270C/625</p> <p>PCB's 8082 / 608</p> <p>NORM</p> <p>PLM (Asbestos)</p> <p>Chloride 300-0 <u>4500</u></p> <p>Chloride Sulfate TDS</p> <p>General Water Chemistry (see attached list)</p> <p>Anion/Cation Balance</p> <p>Asbestos</p> <p>pH EPA Method 9045C or equivalent</p> <p>EC (Electroconductivity)</p> <p>Hold</p>																																																																																																													

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Analysis Request of Chain of Custody Record

Page 7 of



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

ANALYSIS REQUEST

(Circle or Specify Method No.)

Client Name: Maverick Natural Resources

Site Manager:

Chris Straub

Project Name:

Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state)
Lea County, NM

Project #:

Invoice to:

Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #	LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
			DATE	TIME	WATER	SOIL	HCL	HNO ₃		
11		BH 31 (1-2)	3/19/2025	11:40	X			X	1	N
12		BH 31 (3-4)	3/19/2025	11:45	X			X	1	N
13		BH 32 (1-2)	3/19/2025	11:50	X			X	1	N
14		BH 32 (3-4)	3/19/2025	11:55	X			X	1	N
15		BH 33 (1-2)	3/19/2025	12:00	X			X	1	N
16		BH 33 (3-4)	3/19/2025	12:05	X			X	1	N
17		BH 34 (1-2)	3/19/2025	12:10	X			X	1	N
18		BH 34 (3-4)	3/19/2025	12:15	X			X	1	N
19		BH 35 (1-2)	3/19/2025	12:20	X			X	1	N
20		BH 35 (3-4)	3/19/2025	12:25	X			X	1	N

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

Sample Temperature

0.0-10.3-
0.3-1.40
☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

Maverick Natural Resources

Site Manager:

Chris Straub

Project Name:

Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state)
Lea County, NM

Project #:

Invoice to: Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
51	BH 36 (1-2)	3/19/2025	12:30	X				1 N	
52	BH 36 (3-4)	3/19/2025	12:35	X				1 N	
53	BH 37 (1-2)	3/19/2025	12:40	X				1 N	
54	BH 37 (3-4)	3/19/2025	12:45	X				1 N	
55	BH 38 (1-2)	3/19/2025	12:50	X				1 N	
56	BH 38 (3-4)	3/19/2025	12:55	X				1 N	
57	BH 39 (1-2)	3/19/2025	13:00	X				1 N	
58	BH 39 (3-4)	3/19/2025	13:05	X				1 N	
59	BH 40 (1-2)	3/19/2025	13:10	X				1 N	
60	BH 40 (3-4)	3/19/2025	13:15	X				1 N	

Relinquished by:

Date:

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Date:

Time:

Received by:

Date:

Time:

ANALYSIS REQUEST
(Circle or Specify Method No.)

X	BTEX 8021B
X	TPH TX1005 (Ext to C35)
X	TPH 8015M (GRO - DRO - ORO)
	PAH 8270C
	Total Metals Ag As Ba Cd Cr Pb Se Hg
	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
	TCLP Volatiles
	TCLP Semi Volatiles
	RCI
	GC/MS Vol. 8260B / 624
	GC/MS Semi. Vol. 8270C/625
	PCB's 8082 / 608
	NORM
	PLM (Asbestos)
X	Chloride 300.0 400
	Chloride Sulfate TDS
	General Water Chemistry (see attached list)
	Anion/Cation Balance
	Asbestos
	pH EPA Method 9045C or equivalent
	EC (Electroconductivity)
	Hold

LAB USE ONLY

REMARKS:

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

Sample Temperature
0.0 C (+0.3)
-0.3-4.140

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St. Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

Maverick Natural Resources

Site Manager:

Chris Straub

Project Name:

Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state)
Lea County, NM

Project #:

Invoice to: Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

lorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
1	BH 41 (1-2)	3/19/2025	13:20	X			X	1	N
2	BH 41 (3-4)	3/19/2025	13:25	X			X	1	N
3	BH 42 (1-2)	3/19/2025	13:30	X			X	1	N
4	BH 42 (3-4)	3/19/2025	13:35	X			X	1	N
5	BH 43 (1-2)	3/19/2025	13:40	X			X	1	N
6	BH 43 (3-4)	3/19/2025	13:45	X			X	1	N
7	BH 44 (1-2)	3/19/2025	13:50	X			X	1	N
8	BH 44 (3-4)	3/19/2025	13:55	X			X	1	N
9	BH 45 (1-2)	3/19/2025	14:00	X			X	1	N
10	BH 45 (3-4)	3/19/2025	14:05	X			X	1	N

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

ANALYSIS REQUEST

(Circle or Specify Method No.)

X	BTEX 8021B	
X	TPH TX1005 (Ext to C35)	
X	TPH 8015M (GRO - DRO - ORO)	
X	PAH 8270C	
X	Total Metals Ag As Ba Cd Cr Pb Se Hg	
X	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
X	TCLP Volatiles	
X	TCLP Semi Volatiles	
X	RCI	
X	GC/MS Vol. 8260B / 624	
X	GC/MS Semi. Vol. 8270C/625	
X	PCB's 8082 / 608	
X	NORM	
X	PLM (Asbestos)	
X	Chloride-300-0	
X	Chloride Sulfate TDS	
X	General Water Chemistry (see attached list)	
X	Anion/Cation Balance	
X	Asbestos	
X	pH EPA Method 9045C or equivalent	
X	EC (Electroconductivity)	
X	Hold	

REMARKS:

LAB USE ONLY

Sample Temperature

-0.6 / 40.3
-0.3 / 41.2

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall St. Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Maverick Natural Resources

Site Manager: Chris Straub

Project Name:

Jalmat Field Yates Sand Unit #216

Contact Info:

chris.straub@tetratech.com

Project Location: (county, state)
Lea County, NM

Project #:

Invoice to: Tetratech

Receiving Laboratory:

Cardinal Laboratories

Sampler Signature:

Adrian Garcia

Comments:

jorge.fernandez@tetratech.com

SAMPLE IDENTIFICATION

LAB #
LAB USE ONLY

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Relinquished by: *[Signature]* Date: 3/19/25 Time: 1505 Received by: *[Signature]* Date: 3/19/25 Time: 1505

Relinquished by: *[Signature]* Date: 3/19/25 Time: 1505 Received by: *[Signature]* Date: 3/19/25 Time: 1505

Relinquished by: *[Signature]* Date: 3/19/25 Time: 1505 Received by: *[Signature]* Date: 3/19/25 Time: 1505

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride 300-0 4500	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Asbestos	
pH EPA Method 9045C or equivalent	
EC (Electroconductivity)	
Hold	

REMARKS:

LAB USE ONLY
Sample Temperature
-0.0-14.0-3-
-0.3-4.140
[X] RUSH: Same Day 24 hr 48 hr 72 hr
[] Rush Charges Authorized
[] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY



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

March 28, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #216

Enclosed are the results of analyses for samples received by the laboratory on 03/27/25 13:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 1 (H251818-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61	
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38	
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21	
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78	
Total BTEX	<0.300	0.300	03/27/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/28/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.6 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 2 (H251818-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	256	16.0	03/28/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.7 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 3 (H251818-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/28/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 4 (H251818-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	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	224	16.0	03/28/2025	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	03/27/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 5 (H251818-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	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	80.0	16.0	03/28/2025	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	03/27/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.3 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 6 (H251818-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	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	160	16.0	03/28/2025	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	03/27/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.6 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 7 (H251818-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/28/2025	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	03/28/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 8 (H251818-08)

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	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	176	16.0	03/28/2025	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	03/28/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.3 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 1 (4') (H251818-09)

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	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/28/2025	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	03/28/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.9 % 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:	03/27/2025	Sampling Date:	03/27/2025
Reported:	03/28/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 2 (7') (H251818-10)

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	03/27/2025	ND	1.97	98.6	2.00	4.61		
Toluene*	<0.050	0.050	03/27/2025	ND	2.02	101	2.00	3.38		
Ethylbenzene*	<0.050	0.050	03/27/2025	ND	1.97	98.6	2.00	3.21		
Total Xylenes*	<0.150	0.150	03/27/2025	ND	5.86	97.7	6.00	2.78		
Total BTEX	<0.300	0.300	03/27/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	230	16.0	03/28/2025	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	03/28/2025	ND	197	98.7	200	2.77	
DRO >C10-C28*	<10.0	10.0	03/28/2025	ND	188	94.0	200	0.608	
EXT DRO >C28-C36	<10.0	10.0	03/28/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 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



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Tekatech</u> Project Manager: <u>Chris Straub</u> Address: City: State: Zip: Phone #: Fax #: Project #: Project Name: <u>Valmet 216</u> Project Location: <u>Lea Co. NM</u> Sampler Name: <u>AG</u>		P.O. #: Company: <u>Tekatech</u> Attn: <u>Chris Straub</u> Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		BILL TO	
Lab I.D. <u>H251818</u>		Sample I.D.	
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Relinquished By: <u>Chris Straub</u> Date: <u>3/27</u> Time:		Received By: <u>Jorge Fernandez</u> Date: <u>3/27</u> Time:	
Relinquished By: <u>Chris Straub</u> Date: <u>3/27</u> Time:		Received By: <u>Jorge Fernandez</u> Date: <u>3/27</u> Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>1.0</u> Corrected Temp. °C <u>1.4</u>	
Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <u>(Initials)</u>	
Turnaround Time: <u>Standard</u> Thermometer ID #140 Correction Factor +0.3°C		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> <u>24 hr</u>	
Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C		Remarks: <u>Chris Straube tekatech; Jorge Fernandez @ tekatech</u>	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:		Analysis Request	
All Results are emailed. Please provide Email address:		TPH Chlorides BTEX	
DATE <u>3/27</u> TIME <u>9:00</u>		SAMPLING	
1 SW 1 915 X 2 SW 2 930 X 3 SW 3 945 X 4 SW 4 1000 5 SW 5 1015 6 SW 6 1030 7 SW 7 1045 8 SW 8 1100 9 BH-1 (4') 1130 10 BH-2 (7')		ANALYSIS REQUEST	

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



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

June 25, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT FIELD YATES SAND UNIT #216

Enclosed are the results of analyses for samples received by the laboratory on 06/19/25 12:21.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 49 (1'-2') (H253675-01)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	368	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 105 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 49 (3'-4') (H253675-02)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.4 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 50 (1'-2') (H253675-03)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 50 (3'-4') (H253675-04)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.5 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 51 (1'-2') (H253675-05)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.9 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 51 (3'-4') (H253675-06)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.2 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 52 (1'-2') (H253675-07)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	176	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 98.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.1 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 52 (3'-4') (H253675-08)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 53 (1'-2') (H253675-09)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEx	<0.300	0.300	06/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 53 (3'-4') (H253675-10)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/23/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 54 (1'-2') (H253675-11)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEx	<0.300	0.300	06/23/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 54 (3'-4') (H253675-12)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 55 (1'-2') (H253675-13)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEx	<0.300	0.300	06/23/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 55 (3'-4') (H253675-14)

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	06/23/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/23/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.3 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 56 (1'-2') (H253675-15)

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	06/23/2025	ND	2.05	103	2.00	4.26	
Toluene*	<0.050	0.050	06/23/2025	ND	2.20	110	2.00	2.55	
Ethylbenzene*	<0.050	0.050	06/23/2025	ND	2.04	102	2.00	2.67	
Total Xylenes*	<0.150	0.150	06/23/2025	ND	6.10	102	6.00	2.57	
Total BTEX	<0.300	0.300	06/23/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 95.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 56 (3'-4') (H253675-16)

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	06/24/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/24/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.1 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 57 (1'-2') (H253675-17)

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	06/24/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/24/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	48.0	16.0	06/23/2025	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	06/20/2025	ND	189	94.6	200	0.511	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	175	87.3	200	2.32	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 57 (3'-4') (H253675-18)

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	06/24/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/24/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 58 (1'-2') (H253675-19)

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	06/24/2025	ND	2.05	103	2.00	4.26		
Toluene*	<0.050	0.050	06/24/2025	ND	2.20	110	2.00	2.55		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	2.67		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.10	102	6.00	2.57		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 123 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 58 (3'-4') (H253675-20)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	16.0	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 119 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 59 (1'-2') (H253675-21)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 59 (3'-4') (H253675-22)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEx	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 60 (1'-2') (H253675-23)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	16.0	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 60 (3'-4') (H253675-24)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 120 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 61 (1'-2') (H253675-25)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85	
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52	
Total BTX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	176	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 61 (3'-4') (H253675-26)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	176	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 62 (1'-2') (H253675-27)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	80.0	16.0	06/23/2025	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	06/20/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 62 (3'-4') (H253675-28)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	64.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 63 (1'-2') (H253675-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	80.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 63 (3'-4') (H253675-30)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	112	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 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:	06/19/2025	Sampling Date:	06/17/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 64 (1'-2') (H253675-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEx	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 64 (3'-4') (H253675-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEx	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 124 % 44.4-145

Surrogate: 1-Chlorooctadecane 125 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 65 (1'-2') (H253675-33)

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	06/24/2025	ND	2.03	102	2.00	7.85	
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52	
Total BTX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 119 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 65 (3'-4') (H253675-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 119 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 66 (1'-2') (H253675-35)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 66 (3'-4') (H253675-36)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	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	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 118 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 67 (1'-2') (H253675-37)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2025	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	06/21/2025	ND	221	110	200	1.72	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	217	108	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.8 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 67 (3'-4') (H253675-38)

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	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.3 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 68 (1'-2') (H253675-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.03	102	2.00	7.85		
Toluene*	<0.050	0.050	06/24/2025	ND	2.10	105	2.00	5.78		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.16	108	2.00	5.22		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.70	112	6.00	5.52		
Total BTEX	<0.300	0.300	06/24/2025	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	06/23/2025	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*	<100	100	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	2850	100	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	1350	100	06/21/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 139 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 68 (3'-4') (H253675-40)

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	06/24/2025	ND	2.26	113	2.00	1.58	QM-07	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/23/2025	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*	<100	100	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	3020	100	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	1370	100	06/21/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 147 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 69 (1'-2') (H253675-41)

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	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	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	32.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.5 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 69 (3'-4') (H253675-42)

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	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 70 (1'-2') (H253675-43)

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	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.0 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 70 (3'-4') (H253675-44)

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	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	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	32.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 71 (1'-2') (H253675-45)

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	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 71 (3'-4') (H253675-46)

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	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEx	<0.300	0.300	06/24/2025	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	<16.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 72 (1'-2') (H253675-47)

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	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 72 (3'-4') (H253675-48)

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	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	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	32.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 73 (1'-2') (H253675-49)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	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	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 73 (3'-4') (H253675-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2025	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	06/20/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/20/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/20/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 74 (1'-2') (H253675-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	<16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.7 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 74 (3'-4') (H253675-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 75 (1'-2') (H253675-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.7 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 75 (3'-4') (H253675-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEx	<0.300	0.300	06/24/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	<10.0	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 76 (1'-2') (H253675-55)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	155	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	110	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.2 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 76 (3'-4') (H253675-56)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	<16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	613	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	336	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 77 (1'-2') (H253675-57)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58	
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63	
Total BTEX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	<16.0	16.0	06/23/2025	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	06/21/2025	ND	186	93.2	200	2.45	
DRO >C10-C28*	586	10.0	06/21/2025	ND	188	94.2	200	2.72	
EXT DRO >C28-C36	292	10.0	06/21/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.0 % 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:	06/19/2025	Sampling Date:	06/18/2025
Reported:	06/25/2025	Sampling Type:	Soil
Project Name:	JALMAT FIELD YATES SAND UNIT #216	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03832	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH - 77 (3'-4') (H253675-58)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.26	113	2.00	1.58		
Toluene*	<0.050	0.050	06/24/2025	ND	2.19	109	2.00	3.02		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.25	113	2.00	3.50		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.98	116	6.00	3.63		
Total BTEx	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	06/23/2025	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*	<100	100	06/21/2025	ND	184	92.0	200	0.860	
DRO >C10-C28*	1140	100	06/21/2025	ND	203	102	200	0.00443	
EXT DRO >C28-C36	711	100	06/21/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 40.6-153

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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



Chris Straub

chris.straub@tetrattech.com

212C-MD-03832

Matthew Castrejon

adrian.garcia@tetrattech.com

BTEX 8021B BTEX 8260B
TPH TX1085 (Ext to C35) 8015 T-6/1
TPH 8015M (GRO - DRO - ORO - MRO)
PAH 8270C
Total Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
RCI
GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C/625
PCB's 8082 / 608
NORM
PLM (Asbestos)
Chloride 300.0 4500 T-6/19/25
Chloride Sulfate TDS
General Water Chemistry (see attached list)
Anion/Cation Balance
TPH 8015R
HOLD

ANALYSIS REQUEST
(Circle or Specify Method No.)

	BH-49 (1'-2')	06/17/25	1300	X			X		1	N	X	X							X
1	BH-49 (3'-4')	06/17/25	1303	X			X		1	N	X	X							X
2	BH-50 (1'-2')	06/17/25	1306	X			X		1	N	X	X							X
3	BH-50 (3'-4')	06/17/25	1309	X			X		1	N	X	X							X
4	BH-51 (1'-2')	06/17/25	1311	X			X		1	N	X	X							X
5	BH-51 (3'-4')	06/17/25	1314	X			X		1	N	X	X							X
6	BH-52 (1'-2')	06/17/25	1317	X			X		1	N	X	X							X
7	BH-52 (3'-4')	06/17/25	1319	X			X		1	N	X	X							X
8	BH-53 (1'-2')	06/17/25	1322	X			X		1	N	X	X							X
9	BH-53 (3'-4')	06/17/25	1325	X			X		1	N	X	X							X

REMARKS:

RUSH: Same Day 24 hr. 48 hr. 72 hr.

1570.30

ORIGINAL COPY

(Circle)	HAND DELIVERED	FEDEX	UPS	Tracking #:

LAB USE ONLY

REMARKS:

☒ Standard

RUSH: Same Day 24 hr. 48 hr. 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Released to Imaging: 8/4/2025 4:28:16 PM

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Tetra Tech, Inc.

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

ANALYSIS REQUEST (Circle or Specify Method No.)

Client Name: Maverick Site Manager: Chris Straub

Project Name: Jalmat Field Yates Unit 216 Contact Info: chris.straub@tetratech.com

Project Location: Lea Co, NM Project #: 212C-MD-03832

Invoice to: Tetra Tech, Inc.

Receiving Laboratory: Cardinal Sampler Signature: Matthehw Castrejon

Comments: AFE000000005481 adrian.garcia@tetratech.com

LAB # 41553075 (LAB USE ONLY)	SAMPLE IDENTIFICATION				SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8015M (GRO - 8015R)	TPH 8015R	PAH 8270C	Total Metals Ag As Ba Cd Cr Cu Pb Zn	TCLP Metals Ag As Ba Cd Cr Cu Pb Zn	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 8260C	GC/MS Semi. Vol. 8210	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate	General Water Chem	Anion/Cation Balance	TPH 8015R	HOLD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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31	BH-59(1'-2')	06/17/25	1357	X				X	1	N	X	BTEX 8021B BTEX 8260B
32	BH-59 (3'-4')	06/17/25	1402	X				X	1	N	X	TPH TX1005 (Ext to C35) 8015 TO: 6/19/25
33	BH-60 (1'-2')	06/17/25	1405	X				X	1	N	X	TPH 8015M (GRO - DRO - ORO - MRO)
34	BH-60 (3'-4')	06/17/25	1408	X				X	1	N	X	PAH 8270C
35	BH-61 (1'-2')	06/17/25	1411	X				X	1	N	X	Total Metals Ag As Ba Cd Cr Pb Se Hg
36	BH-61 (3'-4')	06/17/25	1414	X				X	1	N	X	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
37	BH-62 (1'-2')	06/17/25	1420	X				X	1	N	X	TCLP Volatiles
38	BH-62 (3'-4')	06/17/25	1422	X				X	1	N	X	TCLP Semi Volatiles
39	BH-63 (1'-2')	06/17/25	1425	X				X	1	N	X	RCI
30	BH-63 (3'-4')	06/17/25	1428	X				X	1	N	X	GC/MS Vol. 8260B / 624

Relinquished by: *[Signature]* Date: 6-19-25 Time: Received by: *[Signature]* Date: 6-19-25 Time: 12:21

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

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

ORIGINAL COPY

LAB USE ONLY

REMARKS:

☒ Standard

☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Temperature: 23.3C/74.0F

CP: 40.3C

1140

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Tetra Tech, Inc.

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

Chris Straub

chris.straub@tetrattech.com

212C-MD-03832

Mattehew Castrejon

adrian.garcia@tetratech.com

LAB # (LAB USE ONLY)

[illegible]

LAB USE ONLY

Sample Temperature
8.3°C/46°C
17-40.3°C

REMARKS:

☒ Standard

☐ **RUSH:** Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

LAB USE ONLY

REMARKS:

X	Standard
----------	----------

RUSH: Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

Special Report Limits or TRRP Report

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ANALYSIS REQUEST
(Circle or Specify Method No.)

Page 65 of 66



Tetra Tech, Inc.

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

Client Name:

Site Manager:

Chris Straub

Project Name:

Contact Info:

chris.straub@tetratech.com

Project Location:
(county, state)

Project #:

212C-MD-03832

Invoice to:

Tetra Tech, Inc.

Receiving Laboratory:

Cardinal

Sampler Signature: Matthew Castrejon

Comments:

AFF000000005481

adrian.garcia@tetratech.com

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	BTX 8021B BTX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride 300.0	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	TPH 8015R	HOLD
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	NONE																				

51	BH-74 (1'-2')	06/18/25	1502	X				X		1	N	X	X																	
52	BH-74 (3'-4')	06/18/25	1506	X				X		1	N	X	X																	
53	BH-75 (1'-2')	06/18/25	1509	X				X		1	N	X	X																	
54	BH-75 (3'-4')	06/18/25	1515	X				X		1	N	X	X																	
55	BH-76 (1'-2')	06/18/25	1518	X				X		1	N	X	X																	
56	BH-76 (3'-4')	06/18/25	1522	X				X		1	N	X	X																	
57	BH-77 (1'-2')	06/18/25	1525	X				X		1	N	X	X																	
58	BH-77 (3'-4')	06/18/25	1528	X				X		1	N	X	X																	
				X				X		1	N	X	X																	
				X				X		1	N	X	X																	
				X				X		1	N	X	X																	
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				X																										



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

July 15, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #216

Enclosed are the results of analyses for samples received by the laboratory on 07/14/25 13:44.

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.

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:	07/14/2025	Sampling Date:	07/14/2025
Reported:	07/15/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 9 (H254170-01)

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	07/14/2025	ND	1.76	88.1	2.00	7.29	
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92	
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07	
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28	
Total BTX	<0.300	0.300	07/14/2025	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	128	16.0	07/15/2025	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	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 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:	07/14/2025	Sampling Date:	07/14/2025
Reported:	07/15/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 10 (H254170-02)

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	07/14/2025	ND	1.76	88.1	2.00	7.29		
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07		
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28		
Total BTEx	<0.300	0.300	07/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/15/2025	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	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 113 % 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:	07/14/2025	Sampling Date:	07/14/2025
Reported:	07/15/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 11 (H254170-03)

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	07/14/2025	ND	1.76	88.1	2.00	7.29		
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07		
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28		
Total BTEX	<0.300	0.300	07/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/15/2025	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	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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:	07/14/2025	Sampling Date:	07/14/2025
Reported:	07/15/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 12 (H254170-04)

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	07/14/2025	ND	1.76	88.1	2.00	7.29		
Toluene*	<0.050	0.050	07/14/2025	ND	1.87	93.7	2.00	3.92		
Ethylbenzene*	<0.050	0.050	07/14/2025	ND	1.98	99.0	2.00	1.07		
Total Xylenes*	<0.150	0.150	07/14/2025	ND	6.15	102	6.00	1.28		
Total BTEX	<0.300	0.300	07/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/15/2025	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	07/14/2025	ND	213	107	200	3.72	
DRO >C10-C28*	<10.0	10.0	07/14/2025	ND	196	98.0	200	0.419	
EXT DRO >C28-C36	<10.0	10.0	07/14/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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

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



BILL TO

Page 7 of 7



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

July 17, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #216

Enclosed are the results of analyses for samples received by the laboratory on 07/16/25 12:31.

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.

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 "Coley 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:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH 3 (8') (H254243-01)

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	07/16/2025	ND	2.17	109	2.00	1.25	
Toluene*	<0.050	0.050	07/16/2025	ND	2.09	104	2.00	1.52	
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	1.53	
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.46	108	6.00	1.05	
Total BTX	<0.300	0.300	07/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/17/2025	ND	480	120	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	195	97.6	200	1.43	
DRO >C10-C28*	126	10.0	07/16/2025	ND	210	105	200	2.45	
EXT DRO >C28-C36	19.2	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH 4 (8') (H254243-02)

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	07/16/2025	ND	2.17	109	2.00	1.25		
Toluene*	<0.050	0.050	07/16/2025	ND	2.09	104	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	1.53		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.46	108	6.00	1.05		
Total BTX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/17/2025	ND	480	120	400	3.39		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2025	ND	195	97.6	200	1.43	
DRO >C10-C28*	73.4	10.0	07/16/2025	ND	210	105	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 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:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH 5 (8') (H254243-03)

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	07/16/2025	ND	2.17	109	2.00	1.25		
Toluene*	<0.050	0.050	07/16/2025	ND	2.09	104	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	1.53		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.46	108	6.00	1.05		
Total BTEX	<0.300	0.300	07/16/2025	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	32.0	16.0	07/17/2025	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	07/16/2025	ND	195	97.6	200	1.43	
DRO >C10-C28*	59.8	10.0	07/16/2025	ND	210	105	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 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:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH 6 (8') (H254243-04)

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	07/16/2025	ND	2.17	109	2.00	1.25		
Toluene*	<0.050	0.050	07/16/2025	ND	2.09	104	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	1.53		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.46	108	6.00	1.05		
Total BTEX	<0.300	0.300	07/16/2025	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	48.0	16.0	07/17/2025	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	07/16/2025	ND	195	97.6	200	1.43	
DRO >C10-C28*	70.1	10.0	07/16/2025	ND	210	105	200	2.45	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 119 % 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:	07/16/2025	Sampling Date:	07/16/2025
Reported:	07/17/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: SW 13 (H254243-05)

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	07/16/2025	ND	2.17	109	2.00	1.25		
Toluene*	<0.050	0.050	07/16/2025	ND	2.09	104	2.00	1.52		
Ethylbenzene*	<0.050	0.050	07/16/2025	ND	2.07	104	2.00	1.53		
Total Xylenes*	<0.150	0.150	07/16/2025	ND	6.46	108	6.00	1.05		
Total BTEX	<0.300	0.300	07/16/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/17/2025	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	07/16/2025	ND	191	95.3	200	4.79	
DRO >C10-C28*	<10.0	10.0	07/16/2025	ND	181	90.3	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	07/16/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 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

Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: IT

Project Manager: Chris Straub

Address:

State: Zip:

City:

Fax #:

Phone #:

Project Owner:

Project #:

Project Name:

Salmon Oil

Project Location:

Lea County

Sample Name:

Seel von Buskirk

FOR LAB USE ONLY

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

Chloride

TPH

BTEX

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Relinquished By:

Date:

7/16/05

Received By:

ADP

Relinquished By:

Date:

10/31

Received By:

ADP

Delivered By: (Circle One)

Observed Temp. °C

38.0

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

☒ Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

UPS - Bus - Other:

Corrected Temp. °C

4.1

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

☒ Rush

Bacteria (only) Sample Condition

Corrected Temp. °C

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

REMARKS: Chris Straub @ Tetra Tech, com
Advon. Care @ Tetra Tech, com



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

July 23, 2025

CHRIS STRAUB

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: JALMAT #216

Enclosed are the results of analyses for samples received by the laboratory on 07/22/25 12:15.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

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:	07/22/2025	Sampling Date:	07/18/2025
Reported:	07/23/2025	Sampling Type:	Soil
Project Name:	JALMAT #216	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MAVERICK - LEA COUNTY, NM		

Sample ID: BH 3 (9.5') (H254412-01)

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	07/22/2025	ND	1.92	96.1	2.00	2.23	
Toluene*	<0.050	0.050	07/22/2025	ND	1.93	96.7	2.00	2.12	
Ethylbenzene*	<0.050	0.050	07/22/2025	ND	1.99	99.3	2.00	1.82	
Total Xylenes*	<0.150	0.150	07/22/2025	ND	6.03	100	6.00	1.59	
Total BTEx	<0.300	0.300	07/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/23/2025	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	07/22/2025	ND	217	108	200	0.625	
DRO >C10-C28*	<10.0	10.0	07/22/2025	ND	210	105	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	07/22/2025	ND					

Surrogate: 1-Chlorooctane 112 % 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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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".

Celey D. Keene, Lab Director/Quality Manager



Page 4 of 4

07/17/2008 05:00 AM

Revised Remediation Report and Closure Request
Jalmat Yates Field Sand Unit #216
Incident ID# nPAC0534851527

Breitburn Operating, LP
July 28, 2025

ATTACHMENT 4 – SEED MIX

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

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

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

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



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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 490092

QUESTIONS

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nPAC0534851527
Incident Name	NPAC0534851527 JALMAT FIELD YATES SAND UNIT #216 @ 30-025-37277
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-37277] JALMAT FIELD YATES SAND UNIT #216

Location of Release Source

Please answer all the questions in this group.

Site Name	JALMAT FIELD YATES SAND UNIT #216
Date Release Discovered	11/04/2005
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 4 BBL Recovered: 4 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 490092

QUESTIONS (continued)

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	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	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	<i>Not answered.</i>

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

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

I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 02/25/2025
--	--

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QUESTIONS, Page 3

Action 490092

QUESTIONS (continued)

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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 ½ and 1 (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	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
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
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/01/2025
On what date will (or did) the final sampling or liner inspection occur	05/10/2025
On what date will (or was) the remediation complete(d)	06/10/2025
What is the estimated surface area (in square feet) that will be reclaimed	21000
What is the estimated volume (in cubic yards) that will be reclaimed	3200
What is the estimated surface area (in square feet) that will be remediated	21000
What is the estimated volume (in cubic yards) that will be remediated	3200
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 490092

QUESTIONS (continued)

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 02/25/2025
<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 490092

QUESTIONS (continued)

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 490092

QUESTIONS (continued)

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	486191
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/18/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	400

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	1320
What was the total volume (cubic yards) remediated	469
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	800
What was the total volume (in cubic yards) reclaimed	195
Summarize any additional remediation activities not included by answers (above)	no additional
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Chuck Terhune Title: Program Manager Email: chuck.terhune@tetrattech.com Date: 07/30/2025

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QUESTIONS, Page 7

Action 490092

QUESTIONS (continued)

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 490092

CONDITIONS

Operator: BREITBURN OPERATING LP 1000 Main Street, Suite 2900 Houston, TX 77002	OGRID: 370080
	Action Number: 490092
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

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