TETRA TECH

May 2, 2025

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

Re: Closure Report
JR Oil Ltd. Co.
Myers Langlie Mattix Unit #074
Unit Letter H, Section 31, Township 23 South, and Range 37 East
Lea County, New Mexico
Incident ID nPAC0726055029
1RP-1571

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by JR Oil Ltd. Co. (JR Oil) to evaluate a historical release that occurred from an injection line associated with the Mayer Langlie Mattix Unit #074 (MLMU 74) (API: 30-025-25677). This historical release was initially associated with OXY USA WTP Limited Partnership (Oxy), however, ownership of the well appears to have been transferred to J R Oil, Ltd. Co. in March 2021.

The release footprint (Site) is located inside Public Land Survey System (PLSS) Unit Letter H, Section 31, Township 23 South, and Range 37 East, Lea County, New Mexico. The release site coordinates are 32.261806°, -103.196285°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Form C-141 Initial Report (Appendix A), the release was discovered on August 8, 2007. The release was reported as the result of corrosion of a 3-inch steel clamp at a tee on the fiberglass line. 275 barrels (bbls) of produced water were reported released, of which 130 bbls were recovered by a vacuum truck. The New Mexico Oil Conservation Division (NMOCD) approved the initial Form C-141 report form for the release on September 17, 2007. The NMOCD Incident ID for this release is nPAC0726055029 and administrative order ID 1RP-1571.

A hand-drawn sketch of the release footprint was provided with the initial C-141. The sketch indicates an L-shaped release footprint around 190 feet long north-south, approximately 10 feet wide, before turning east and extending around 940 feet long, approximately 4 feet wide.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on private land, owned by an independent party.

SITE CHARACTERIZATION

A site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, stream bodies, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

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According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are four wells within ½ mile (800 meters) of the Site with an average depth to groundwater of 110 feet below ground surface (bgs). The site characterization data is included as Appendix B.

REGULATORY FRAMEWORK

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

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	20,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

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

Constituent	Reclamation Requirements
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg

INITIAL REMEDIATION AND CONFIRMATION SAMPLING

In accordance with 19.15.29.8. B. (4) NMAC, JR Oil elected to remediate the release footprint without submitting a remediation work plan. From May 1 to May 15, 2024, JR Oil personnel were onsite to execute remediation activities including excavation and disposal of impacted soils. JR Oil excavated the release footprint to varying depths and a maximum of 4 feet below the surrounding grade. All excavated material was transported offsite for proper disposal. Approximately 687 cubic yards of material were transported to the J&L Landfarm near Nadin, New Mexico.

Following the completion of the initial excavation activities, Tetra Tech personnel were on site to collect confirmation floor and sidewall samples on November 26 and 27, 2024. Prior to the confirmation sampling event, the NMOCD district office was notified via the NMOCD online portal in accordance with Subsection D of 19.15.29.12 NMAC. Collected confirmation floor and sidewall samples were submitted for laboratory analysis to verify the efficacy of remediation activities. Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by Method 4500. Analytical laboratory results associated with soil samples collected by Tetra Tech in November 2024 indicated exceedances of Site Reclamation Requirements for chlorides at confirmation floor sample locations (Bottom Hole) BH-6, 10, 15, 16, 31, 34, 40, and 41; as well as confirmation sidewall sample locations SW-3 and SW-9. All other confirmation sample results were below the Site Reclamation Requirements for chloride. Additionally, all

collected confirmation sampling analytical results for BTEX or TPH were below the Site Reclamation Requirements.

ADDITIONAL REMEDIATION AND CONFIRMATION SAMPLING

Following the initial excavation and initial confirmation sampling results, JR Oil returned to the site to further excavate the release footprint. From February 20 to February 24, 2025, JR Oil personnel were onsite to execute additional remediation activities. Based on the results of the initial confirmation sampling, the release footprint was excavated to a depth of 3 feet below surrounding grade at confirmation sample locations BH-6, 10, 15, 16, 31, 34, 40, and 41 in order to achieve remediation goals. Furthermore, the excavation was expanded horizontally at confirmation sample locations SW-3 and SW-9 to achieve remediation goals. Following the additional excavation, iterative confirmation samples were collected by Tetra Tech personnel on February 24, 2025, to verify acceptable cleanup levels were achieved.

Confirmation samples were collected such that each discrete floor sample was representative of no more than 200 square feet of excavated area and each discrete sidewall sample representative of no more than 65 square feet of excavation wall area. Confirmation samples were collected at forty-one (41) floor locations and thirty-one (31) sidewall locations during remedial activities. Confirmation floor sample locations were labeled with “BH”-#. Confirmation sidewall sample locations were labeled with “SW”-#. Excavated areas and depths and confirmation sample locations are indicated in Figure 4A and 4B.

Collected confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Cardinal. The soil samples were analyzed for TPH (GRO+DRO+MRO) by EPA Method 8015M, BTEX by EPA Method 8021B, and chlorides by Method 4500. The final analytical results were directly compared to the established Site RRALs and reclamation requirements for surface soils (0-4 ft bgs). All final confirmation soil samples (floor and sidewall) were below applicable cleanup levels for chloride, TPH, and BTEX. The results of the November 2024 and February 2025 confirmation sampling events are summarized in Table 1. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. Photographic documentation of remediation activities is included in Appendix D.

RECLAMATION ACTIVITIES

Once confirmation sampling activities were completed and associated analytical results were below the respective RRAL and/or reclamation requirement for surface soils (0-4 ft bgs) the excavated areas were backfilled with clean material to surface grade. The backfill material was sourced from the Kelly Myers Fill Pit (topsoil). Prior to the sourcing of backfill material, a composite sample was collected from the source material. These composite soil samples were submitted to Cardinal and analyzed for TPH via Method 8015 Modified, chloride via Method 4500, and BTEX via Method 8021B. All analytical results associated with the backfill source samples were below reclamation requirements for TPH, BTEX and chloride. Analytical results associated with the backfill material are summarized in Table 2.

After backfilling activities were completed, the ground surface was recontoured to match the native landform. Based on the soils at the Site, the NMSLO Loamy (L) Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture was spread by a hand-held broadcaster and raked and watered following seeding.

Site inspections will be performed to assess the revegetation progress and evaluate the Site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the OCD will be contacted to determine an effective method for eradication. If the Site does not show revegetation after one growing season, the area will be reseeded as appropriate.

CONCLUSION

JR Oil respectfully requests closure of the incident based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (509) 768-2191 or Christian at (512) 338-2861.

Sincerely,
Tetra Tech, Inc.

Sam Chama, P.G.
Project Manager

Christian M. Llull, P.G.
Program Manager

cc:
Mr. Rex Tippy – JR Oil, Ltd. Co.

List of Attachments

Figures:

- Figure 1 – Overview Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent Map
- Figure 4A – Remediation & Confirmation Sampling
- Figure 4B – Remediation & Confirmation Sampling
- Figure 5 – Area of Reclamation & Restoration

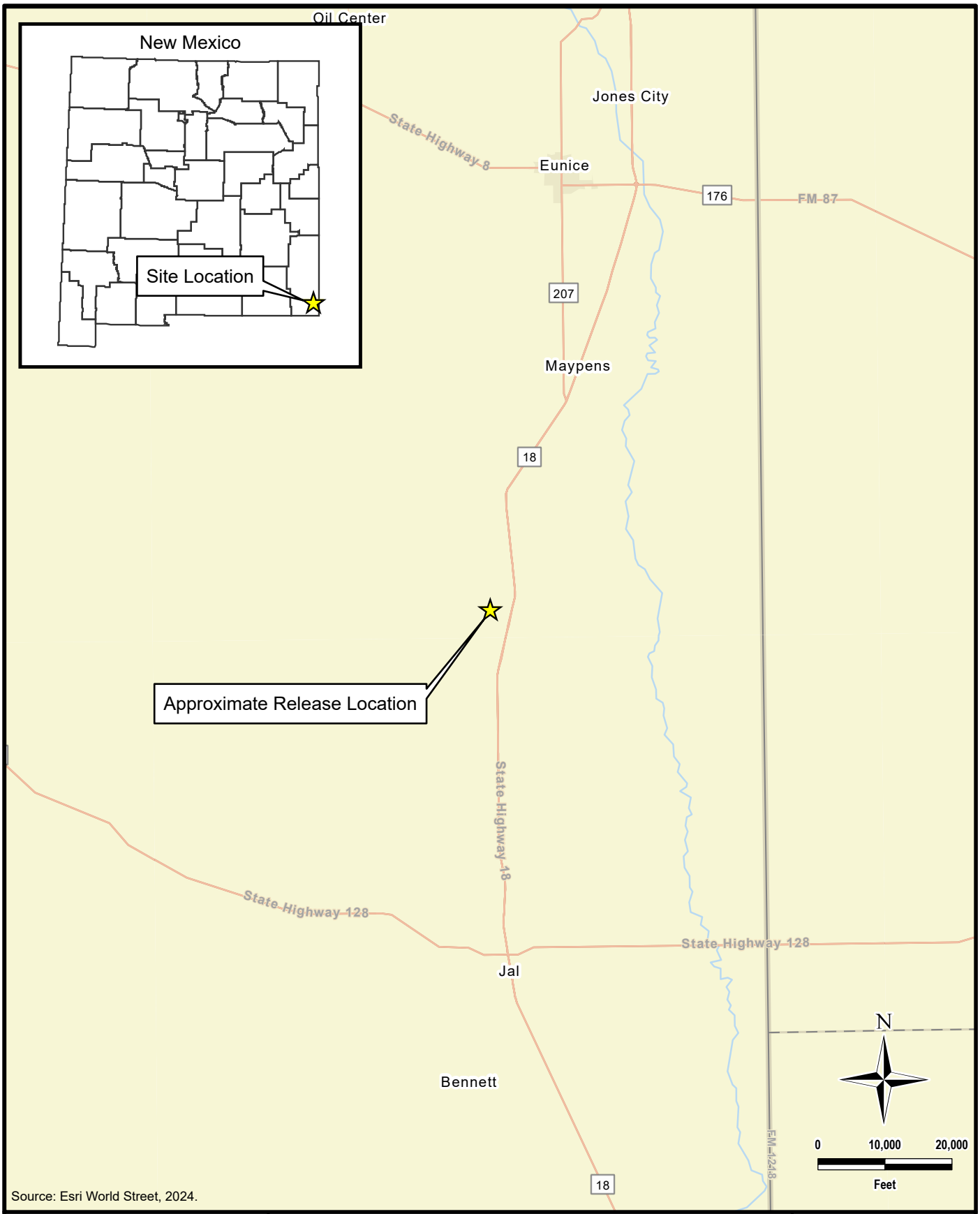
Tables:

- Table 1 – Summary of Analytical Results – Confirmation Sampling
- Table 2 – Summary of Analytical Results – Soil Backfill

Appendices:

- Appendix A – C-141 Form
- Appendix B – Site Characterization
- Appendix C – Laboratory Analytical Data
- Appendix D – Photographic Documentation
- Appendix E – NMSLO Seed Mixture Details

FIGURES



Source: Esri World Street, 2024.

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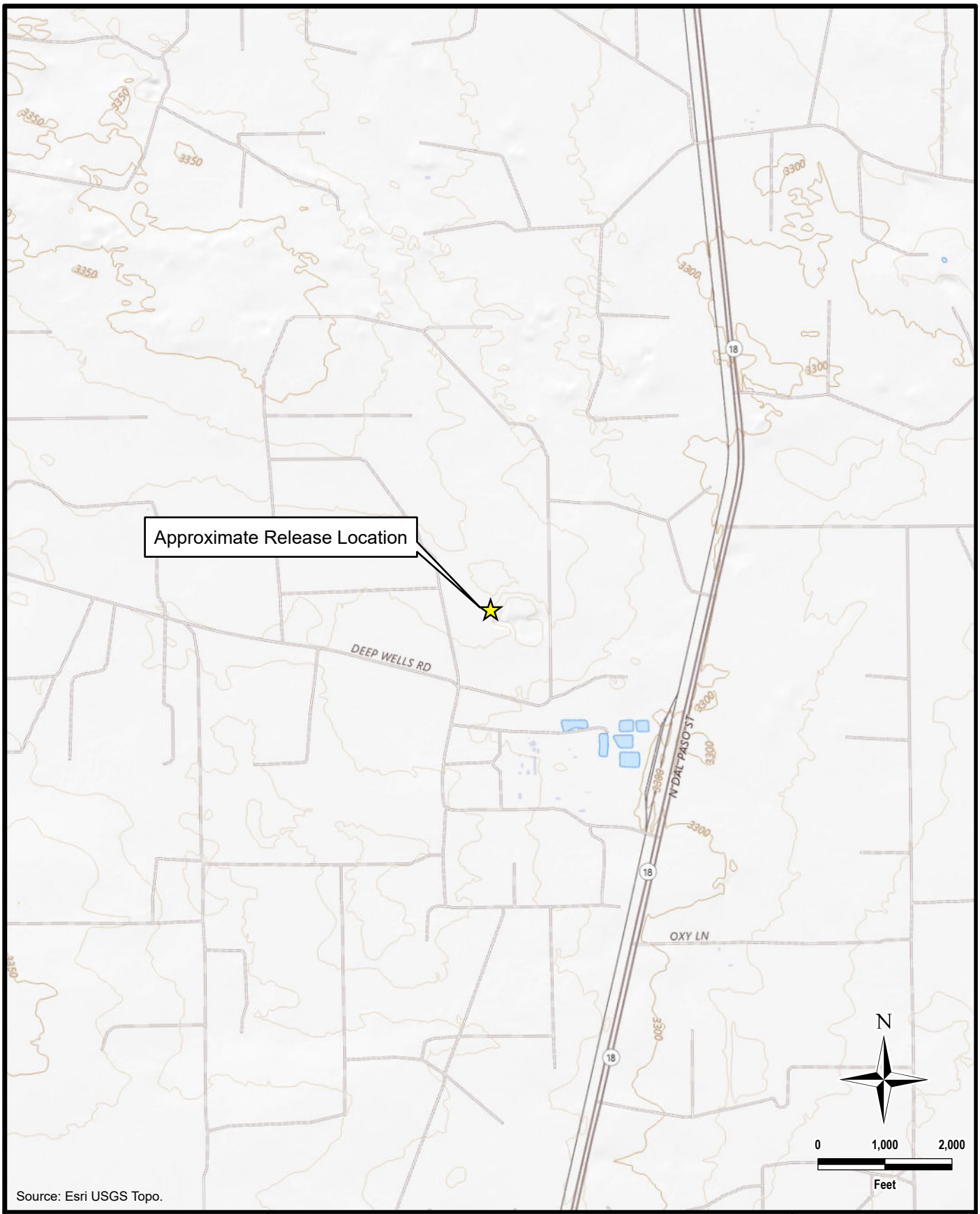
NPAC0726055029
(32.261806°, -103.196285°)
LEA COUNTY, NEW MEXICO

MYERS LANGLIE MATTIX UNIT #074
OVERVIEW MAP

PROJECT NO.:	212C-MD-03750
DATE:	MARCH 17, 2025
DESIGNED BY:	LMV

Figure No.
1



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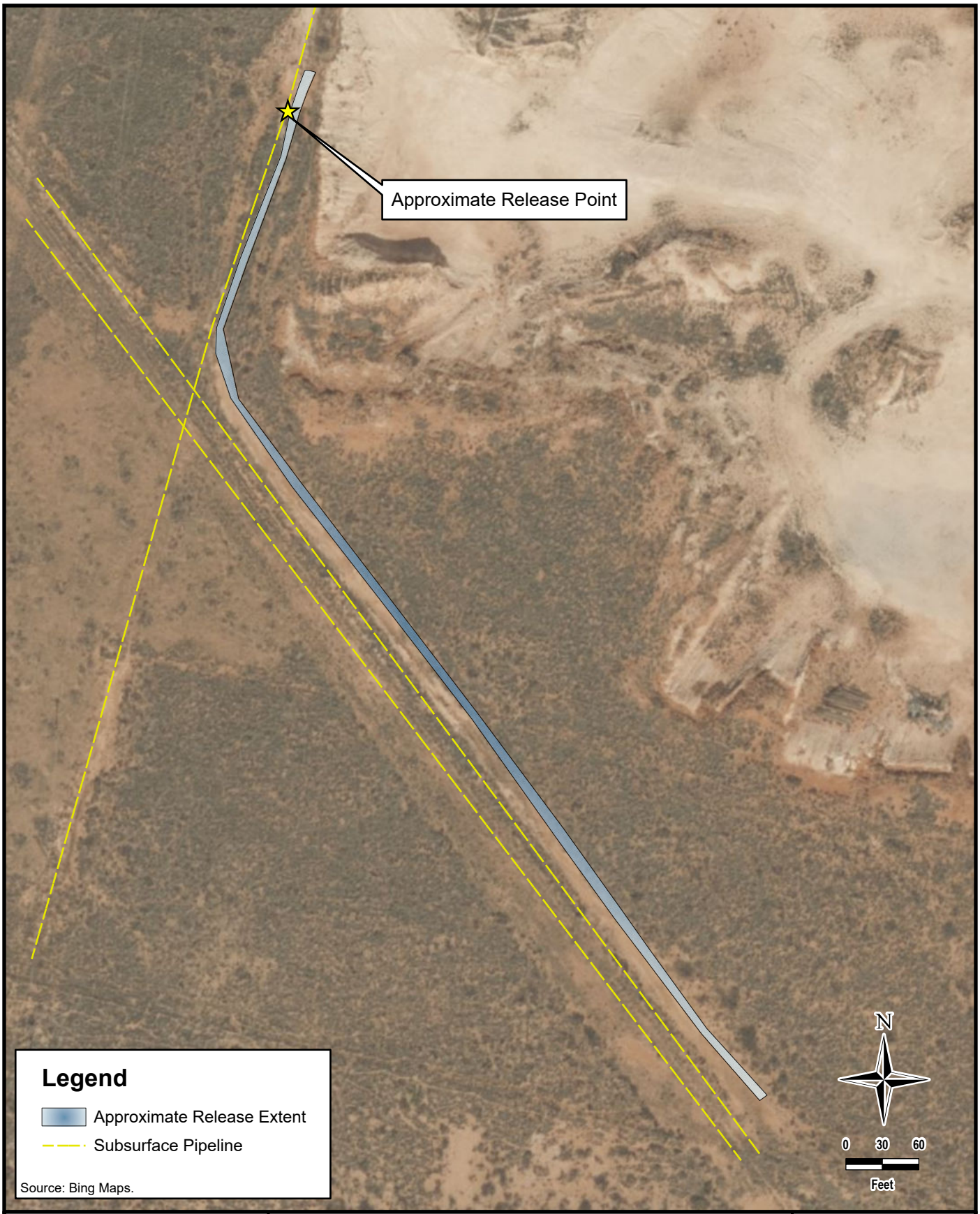
MYERS LANGLIE MATTIX UNIT #074
TOPOGRAPHIC MAP

PROJECT NO.:	212C-MD-03750
DATE:	MARCH 17, 2025
DESIGNED BY:	LMV

Figure No.
2



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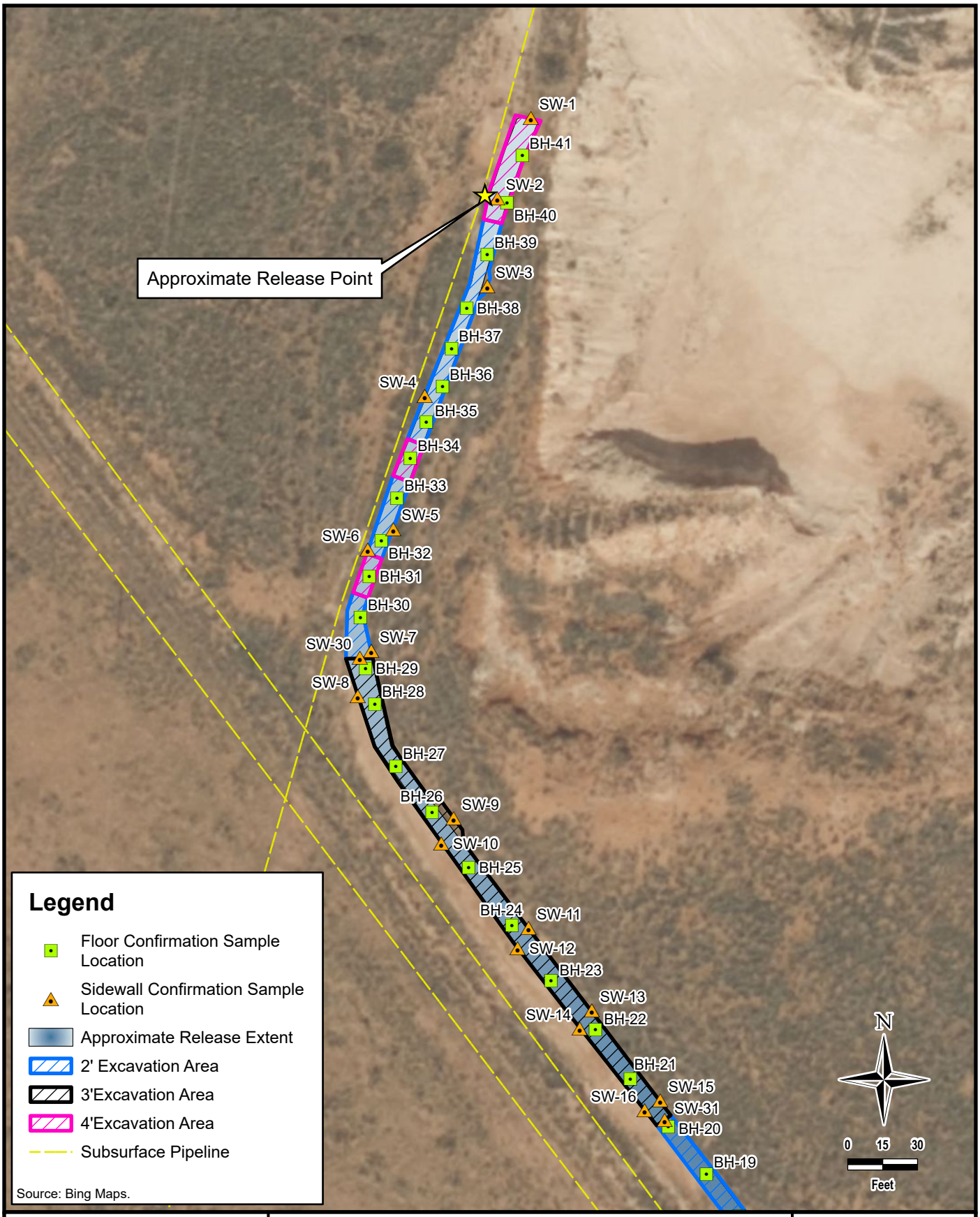
MYERS LANGLIE MATTIX UNIT #074
APPROXIMATE RELEASE EXTENT MAP

PROJECT NO.:	212C-MD-03750
DATE:	MARCH 17, 2025
DESIGNED BY:	LMV

Figure No.
3



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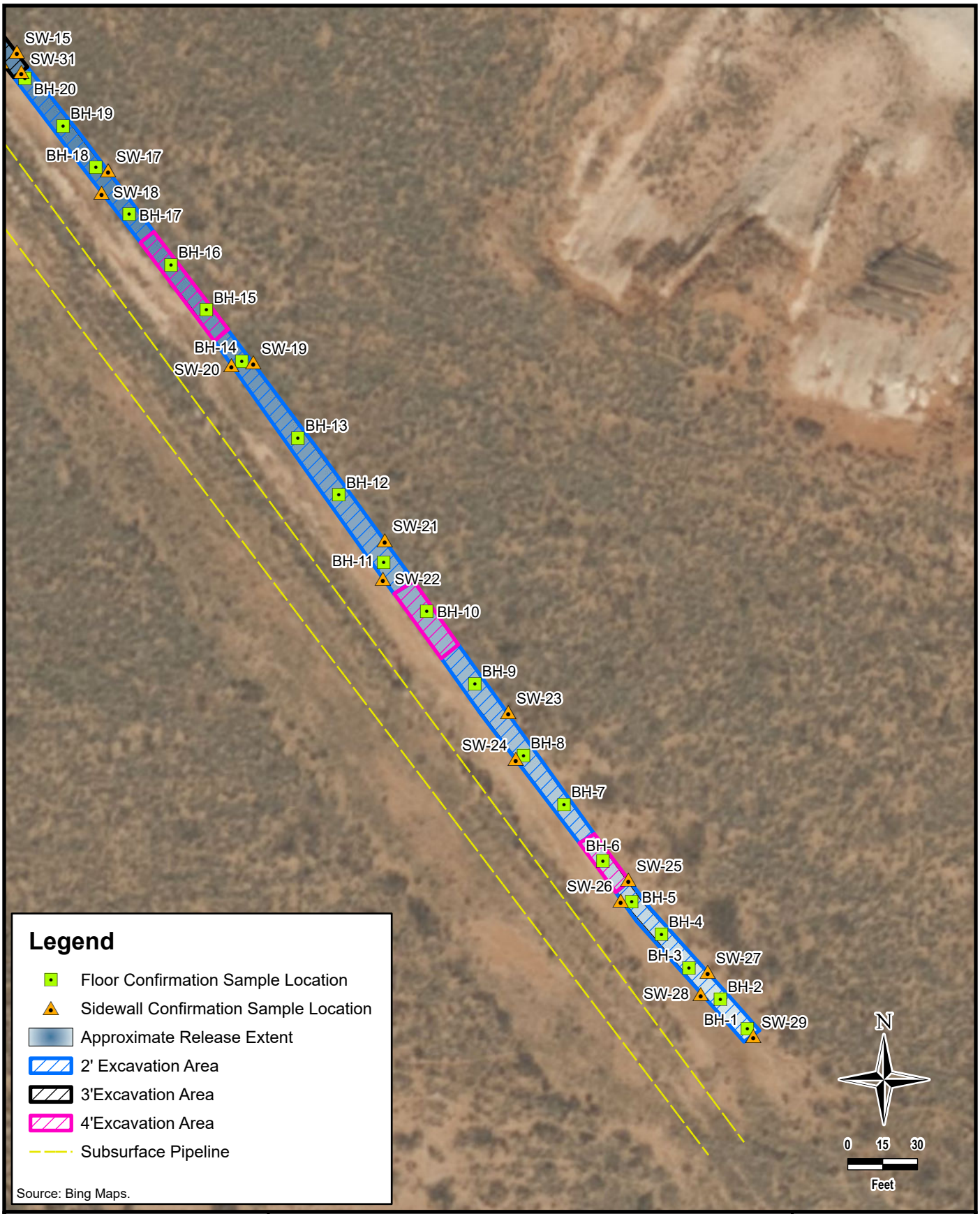
MYERS LANGLIE MATTIX UNIT #074
REMEDIATION EXTENT & CONFIRMATION SAMPLING

PROJECT NO.:	212C-MD-03750
DATE:	APRIL 23, 2025
DESIGNED BY:	LMV

Figure No.
4A



Legend

- Floor Confirmation Sample Location
- Sidewall Confirmation Sample Location
- Approximate Release Extent
- 2' Excavation Area
- 3'Excavation Area
- 4'Excavation Area
- Subsurface Pipeline

Source: Bing Maps.

DOCUMENT PATH: Y:\JR_OIL\212C-MD-03750_MLMU_74\MLMU_74.APRX

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MYERS LANGLIE MATTIX UNIT #074
REMEDIATION EXTENT & CONFIRMATION SAMPLING

PROJECT NO.:	212C-MD-03750
DATE:	APRIL 23, 2025
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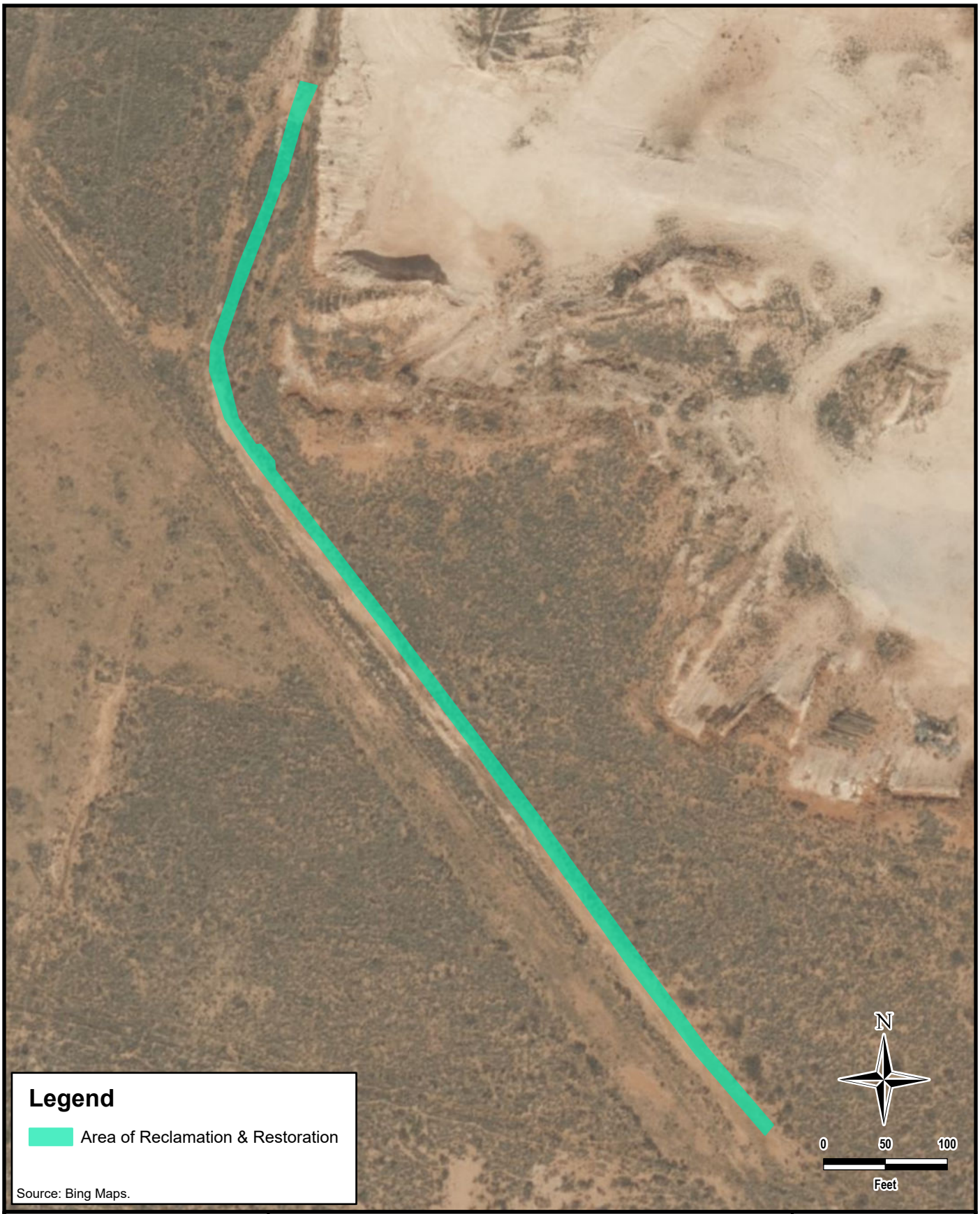
Figure No.
4B



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MYERS LANGLIE MATTIX UNIT #074
AREA OF RECLAMATION & RESTORATION

PROJECT NO.:	212C-MD-03750
DATE:	APRIL 23, 2025
DESIGNED BY:	LMV

Figure No.
5

TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024/2025 SOIL CONFIRMATION SAMPLING - nPAC0726055029
JR Oil Ltd.
MLMU #074
LEA COUNTY, NM

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)
		ft. 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
BH-1	11/26/2024	2	89		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9
BH-2	11/26/2024	2	70		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.7		<49.7		<49.7		<49.7
BH-3	11/26/2024	2	104		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8
BH-4	11/26/2024	2	137		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
BH-5	11/26/2024	2	151		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0
BH-6	11/26/2024	2	**648**		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-6* (3')	2/24/2025	3	448		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-7	11/26/2024	2	152		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9
BH-8	11/27/2024	2	149		<0.00994		<0.00994		<0.00994		<0.0199		<0.0199		<49.9		<49.9		<49.9		<49.9
BH-9	11/26/2024	2	288		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
BH-10	11/27/2024	2	**752**		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8
BH-10* (3')	2/24/2025	3	480		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-11	11/26/2024	2	260		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.6		<49.6		<49.6		<49.6
BH-12	11/26/2024	2	98		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0		<50.0
BH-13	11/26/2024	2	101		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7
BH-14	11/26/2024	2	454		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.8		<49.8		<49.8		<49.8
BH-15	11/26/2024	2	**918**		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9		<49.9
BH-15 (3')	2/24/2025	3	448		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-16	11/26/2024	2	**1120**		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
BH-16 (3')	2/24/2025	3	240		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-17	11/26/2024	2	121		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
BH-18	11/26/2024	2	133		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
BH-19	11/26/2024	2	125		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-20	11/26/2024	2	520		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
BH-21	11/26/2024	4	405		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9
BH-22	11/26/2024	4	102		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.6		<49.6		<49.6		<49.6
BH-23	11/26/2024	4	134		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7
BH-24	11/26/2024	4	72		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8
BH-25	11/26/2024	4	48		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<50.0		<50.0		<50.0		<50.0
BH-26	11/26/2024	4	86.7		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8
BH-27	11/26/2024	4	345		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8

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SUMMARY OF ANALYTICAL RESULTS
2024/2025 SOIL CONFIRMATION SAMPLING - nPAC0726055029
JR Oil Ltd.
MLMU #074
LEA COUNTY, NM

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)
		ft. 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
BH-28	11/26/2024	4	372		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
BH-29	11/27/2024	4	784		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-30	11/26/2024	2	104		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-31	11/27/2024	2	**832**		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8
BH-31* (3')	2/24/2025	3	160		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-32	11/26/2024	2	300		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.9		<49.9		<49.9		<49.9
BH-33	11/26/2024	2	404		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-34	11/26/2024	2	**659**		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.7		<49.7		<49.7		<49.7
BH-34* (3')	2/24/2025	3	224		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-35	11/26/2024	2	77.4		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<50.0		<50.0		<50.0		<50.0
BH-36	11/26/2024	2	165		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8
BH-37	11/26/2024	2	383		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
BH-38	11/26/2024	2	69		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
BH-39	11/27/2024	2	530		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
BH-40	11/26/2024	2	**1080**		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
BH-40* (3')	2/24/2025	3	**208**		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
BH-41	11/27/2024	2	**2030**		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8
BH-41* (3')	2/24/2025	3	224		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
SW-1	11/27/2024	-	105		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
SW-2	11/27/2024	-	95.6		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
SW-3	11/27/2024	-	**1010**		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
SW-3* (3')	2/24/2025	-	<16.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
SW-4	11/27/2024	-	91.4		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7
SW-5	11/27/2024	-	163		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.8		<49.8		<49.8		<49.8
SW-6	11/27/2024	-	266		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9		<49.9
SW-7	11/27/2024	-	38.7		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
SW-8	11/27/2024	-	62.5		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
SW-9	11/27/2024	-	**701**		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
SW-9* (2')	2/24/2025	-	48.0		<0.0500		<0.0500		<0.0500		<0.1500		<0.3000		<10.0		<10.0		<10.0		<10.0
SW-10	11/27/2024	-	133		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
2024/2025 SOIL CONFIRMATION SAMPLING - nPAC0726055029
JR Oil Ltd.
MLMU #074
LEA COUNTY, NM

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)
		ft. 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
SW-11	11/27/2024	-	107		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8
SW-12	11/27/2024	-	249		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8
SW-13	11/27/2024	-	36.6		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.6		<49.6		<49.6		<49.6
SW-14	11/27/2024	-	226		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.7		<49.7		<49.7		<49.7
SW-15	11/27/2024	-	84.3		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
SW-16	11/27/2024	-	157		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.9		<49.9		<49.9		<49.9
SW-17	11/27/2024	-	249		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8
SW-18	11/27/2024	-	90.5		<0.00201		<0.00201		<0.00201		<0.00402		<0.00402		<49.8		<49.8		<49.8		<49.8
SW-19	11/27/2024	-	84.1		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<50.0		<50.0		<50.0		<50.0
SW-20	11/27/2024	-	75.3		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
SW-21	11/27/2024	-	261		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
SW-22	11/27/2024	-	218		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
SW-23	11/27/2024	-	141		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
SW-24	11/27/2024	-	175		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.8		<49.8		<49.8		<49.8
SW-25	11/27/2024	-	104		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<49.9		<49.9		<49.9		<49.9
SW-26	11/27/2024	-	201		<0.00198		<0.00198		<0.00198		<0.00396		<0.00396		<50.0		<50.0		<50.0		<50.0
SW-27	11/27/2024	-	64.2		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<50.0		<50.0		<50.0		<50.0
SW-28	11/27/2024	-	129		<0.00200		<0.00200		<0.00200		<0.00401		<0.00401		<49.8		<49.8		<49.8		<49.8
SW-29	11/27/2024	-	72.2		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<49.9		<49.9		<49.9		<49.9
SW-30	11/27/2024	-	81.3		<0.00199		<0.00199		<0.00199		<0.00398		<0.00398		<50.0		<50.0		<50.0		<50.0
SW-31	11/27/2024	-	468		<0.00200		<0.00200		<0.00200		<0.00399		<0.00399		<49.8		<49.8		<49.8		<49.8

NOTES:

ft.	Feet
bgs	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
1	Method SM4500Cl-B
2	Method 8021B
3	Method 8015M

Bold and italicized values indicate exceedance of Site RRALs approved by the NMOCD.

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
COMPOSITE BACKFILL SOIL SAMPLE
JR Oil Ltd.
MLMU #074
LEA COUNTY, NM

Sample ID	Sample Date	Chloride[1]		BTEX[2]										TPH[3]							
				Benzene		Toluene		Ethylbenzene		Total Xylenes		Total BTEX		GRO C_6 - C_{10}		DRO > C_{10} - C_{28}		EXT DRO > C_{28} - C_{36}		Total TPH (GRO+DRO+EXT DRO)	
		mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	
MLMU 74 BACKFILL - COMPOSITE	3/19/2025	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	

NOTES:

ft. Feet
bgs Below ground surface
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
1 Method SM4500Cl-B
2 Method 8021B
3 Method 8015M

APPENDIX A
C-141 Forms

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company: **Occidental Permian Limited Partnership**	Contact: **Tony Summers**
Address: **1017 West Stanolind Road, Hobbs, N.M. 88240**	Telephone No: **505.397.8236 or 505.390.9228**
Facility Name Myers Langlie Mattix Unit North Injection line	Facility Type Production – Injection line #74

Surface Owner – Kelly Myers	Mineral Owner Oxy/BLM	Lease No.

LOCATION OF RELEASE

API# 3002525670000

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
H	31	23S	37E					

Latitude_____ Longitude_____

RP 157

NATURE OF RELEASE

Type of Release Line leak – produced water	Volume of Release 275 bw	Volume Recovered 130 bw
Source of Release Injection line	Date and Hour of Occurrence 08/23/07 12:30am	Date and Hour of Discovery 08/23/07 9:00am
Was Immediate Notice Given? x Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Tony Summers	Date and Hour 08/24/07 2:00pm	
Was a Watercourse Reached? ☐ Yes x No	If YES, Volume Impacting the Watercourse	

Received Hobbs OCD SEP

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Leak was discovered by lease operator 9:00am. Line was immediately shut in. Leak occurred in 3" steel clamp in a tee on a fiberglass line, corrosion. Vacuum truck was called and picked up 130 bbls of free standing produced water. Approximately 275 barrels of produced water were spilled. Average chlorides for this water is 13000 ppm.

Describe Area Affected and Cleanup Action Taken.* Spill was in sandy area with limited vegetation. Contaminated soil will be removed down to NMOCD standards and replaced with clean soil. See attached map of spill site. According to NMOSE website, nearest depth to ground water found (sec 32) is 106' giving a ranking of 10

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Tony Summers	OIL CONSERVATION DIVISION
Printed Name: **Tony Summers**	Approved by District Supervisor: Johnson ENVIRONMENTAL ENGINEER
Title: HES Technician	Approval Date: 9.17.07 Expiration Date 11.16.07
E-mail Address: **tony_summers@oxy.com**	Conditions of Approval: COMPLETE BY Attached ☐
Date: 8-28-07 Phone: **505.397.8236**	

* Attach Additional Sheets If Necessary

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company: **Occidental Permian Limited Partnership**	Contact: **Tony Summers**
Address: **1017 West Stanolind Road, Hobbs, N.M. 88240**	Telephone No: **505.397.8236 or 505.390.9228**
Facility Name Myers Langlie Mattix Unit North Injection line	Facility Type Production – Injection line #74

Surface Owner – Kelly Myers	Mineral Owner Oxy/BLM	Lease No.

LOCATION OF RELEASE

API# 3002525677000D

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
H	31	23S	37E					

Latitude_____ **Longitude**_____

RP 1571

NATURE OF RELEASE

Type of Release Line leak – produced water	Volume of Release 275 bw	Volume Recovered 130 bw
Source of Release Injection line	Date and Hour of Occurrence 08/23/07 12:30am	Date and Hour of Discovery 08/23/07 9:00am
Was Immediate Notice Given? x Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Tony Summers	Date and Hour 08/24/07 2:00pm	
Was a Watercourse Reached? ☐ Yes x No	If YES, Volume Impacting the Watercourse	

If a Watercourse was Impacted, Describe Fully.*

SEP 2007 Received Hobbs OCD

Describe Cause of Problem and Remedial Action Taken.* Leak was discovered by lease operator 9:00am. Line was immediately shut in. Leak occurred in 3" steel clamp in a tee on a fiberglass line, corrosion. Vacuum truck was called and picked up 130 bbls of free standing produced water. Approximately 275 barrels of produced water were spilled. Average chlorides for this water is 13000 ppm.

Describe Area Affected and Cleanup Action Taken.* Spill was in sandy area with limited vegetation. Contaminated soil will be removed down to NMOCD standards and replaced with clean soil. See attached map of spill site. According to NMOSE website, nearest depth to ground water found (sec 32) is 106' giving a ranking of 10

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Tony Summers	OIL CONSERVATION DIVISION
Printed Name: **Tony Summers**	Approved by District Supervisor: Chris Johnson ENVIRONMENTAL ENGINEER
Title: HES Technician	Approval Date: 9.17.07 Expiration Date 11.16.07
E-mail Address: **tony_summers@oxy.com**	Conditions of Approval: Complete By Attached ☐
Date: 8-28-07 Phone: **505.397.8236**	

* Attach Additional Sheets If Necessary

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0726055029
District RP	1RP-1571
Facility ID	
Application ID	

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

Printed Name: Joe N. Tippy Title: President

Signature: Joe N. Tippy Date: 5/5/25

email: joetippy@valornet.com Telephone: 575-390-1380

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0726055029
District RP	1RP-1571
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	106 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0726055029
District RP	1RP-1571
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Joey N. Tippy Title: President

Signature: J. N. Tippy Date: 5/5/2025

email: joetippy@valornet.com Telephone: 575-390-1386

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B
Site Characterization Data

OCD Karst Areas

1/14/2025, 2:07:15 PM

Karst Occurrence Potential

Low

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

New Mexico Oil Conservation Division

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

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

(In feet)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01712 POD4		CP	LE	SE	NW	SW	32	23S	37E	670403.5	3570587.7		586	174	108	66
CP 01431 POD1		CP	LE	SW	NW	SW	32	23S	37E	670322.2	3570379.0		708	179	110	69
CP 00037 POD1		CP	LE	NE	SE	SE	31	23S	37E	670070.0	3570275.0 *		735	173	118	55
CP 01712 POD6		CP	LE	NW	SE	SW	32	23S	37E	670695.2	3570627.4		797	173	106	67

Average Depth to Water: **110 feet**

Minimum Depth: **106 feet**

Maximum Depth: **118 feet**

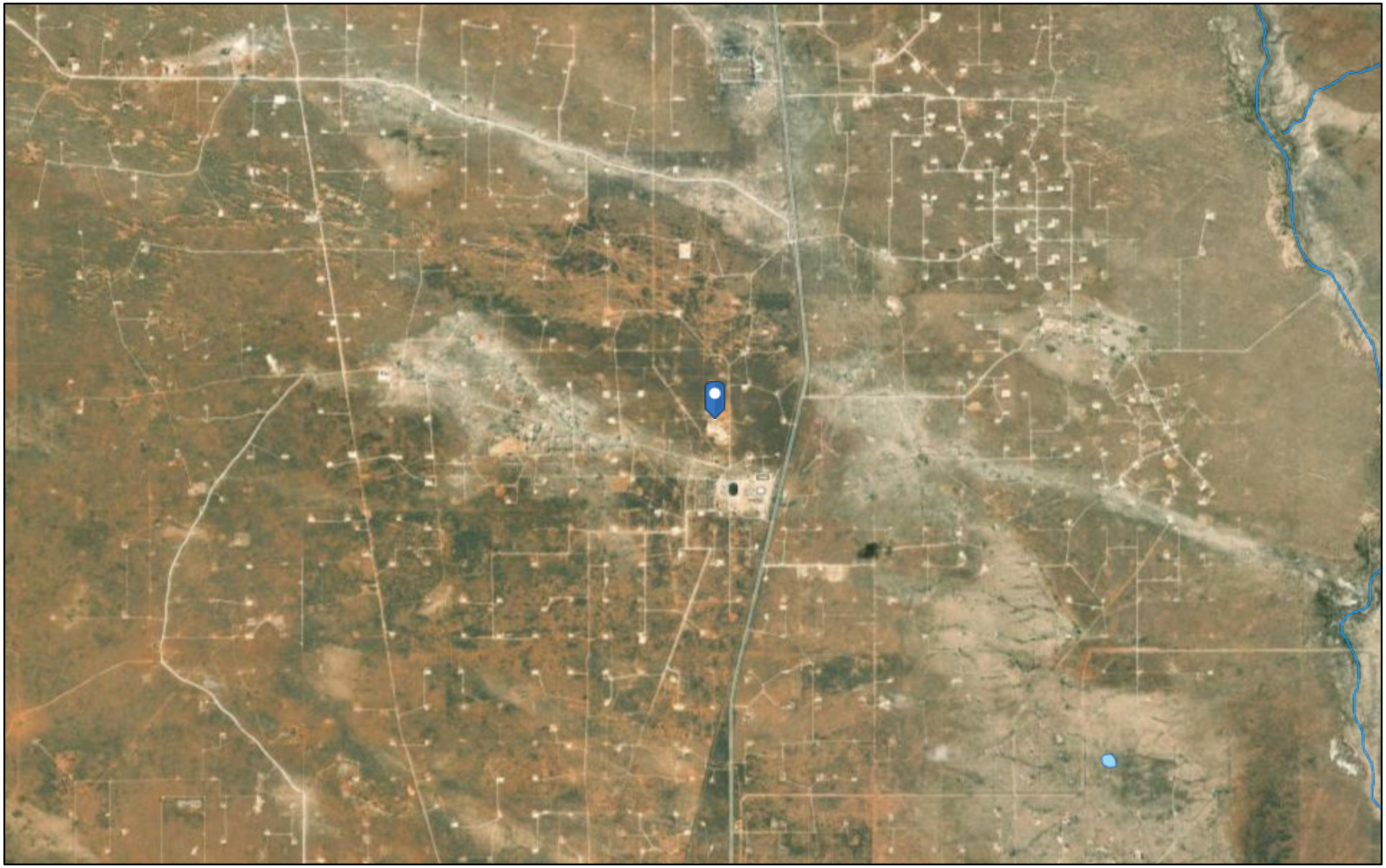
Record Count: 4

Basin/County Search:
County: LE

UTM Filters (in meters):
Easting: 669993.695
Northing: 3571006.631
Radius: 800

*** UTM location was derived from PLSS - see Help**

OCD Surface Waters



1/14/2025, 2:25:34 PM

OSW Water Bodys

OSE Streams

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Esri, HERE, Garmin, Earthstar Geographics, NM OSE

New Mexico Oil Conservation Division

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

National Flood Hazard Layer FIRMette

FEMA

103°12'5"W 32°15'58"N

103°11'28"W 32°15'28"N

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

1:6,000

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 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 3/17/2025 at 7:24 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

National Wetlands Inventory Map

March 17, 2025

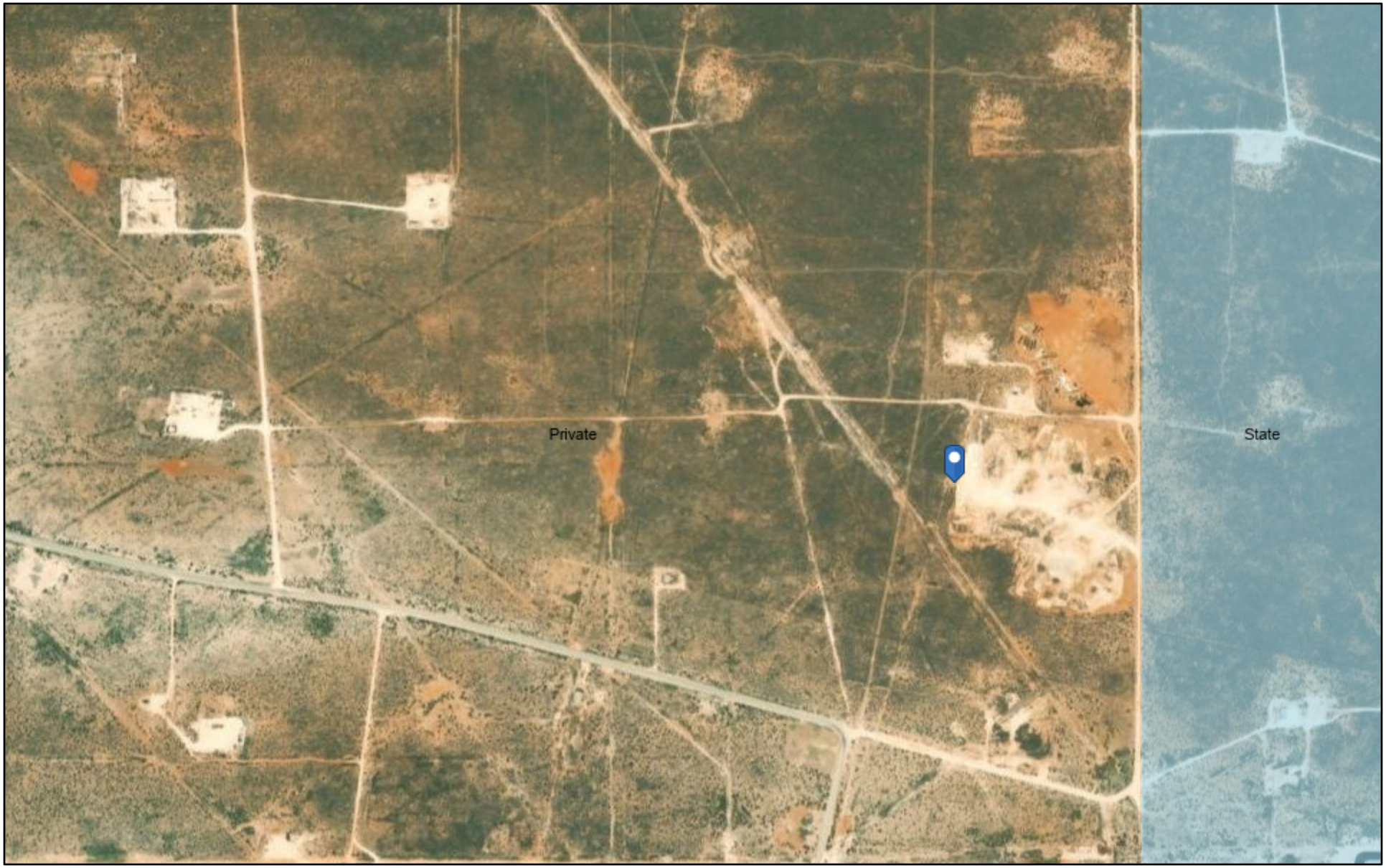
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

NM Land Ownership



3/17/2025, 2:32:06 PM

Land Ownership S

P

1:9,028

0 0.05 0.1 0.2 mi

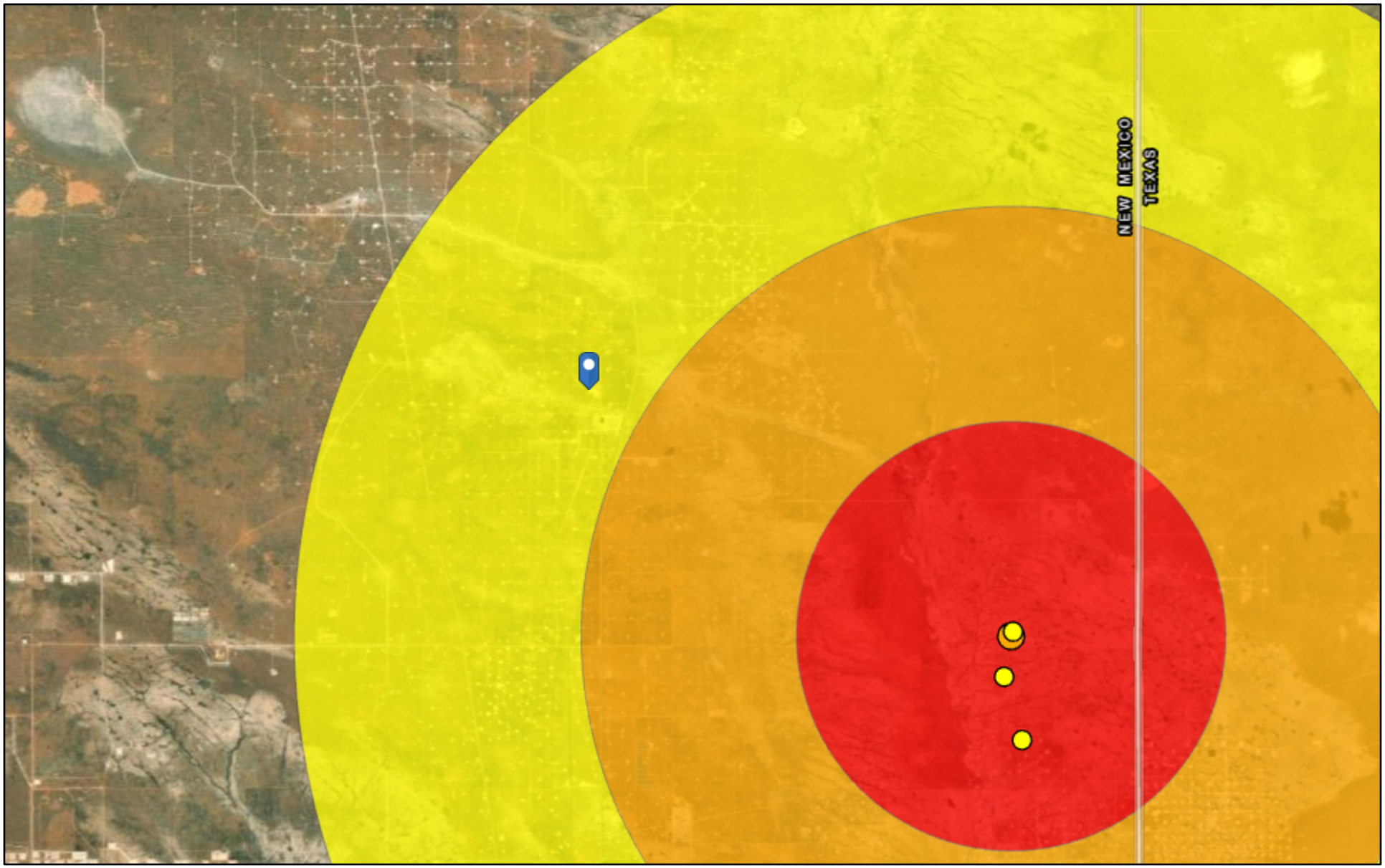
0 0.1 0.2 0.4 km

U.S. BLM, Esri, HERE, Garmin, iPC, Maxar

New Mexico Oil Conservation Division

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

OCD Induced Seismicity



3/17/2025, 2:16:52 PM

Seismic Response 3.0 to 3.4

3 mi.

6 mi.

10 mi.

M2.5+ Earthquakes (2021+)

2.5 - 2.9

3.0 - 3.4

1:144,448

0 1 2 4 mi

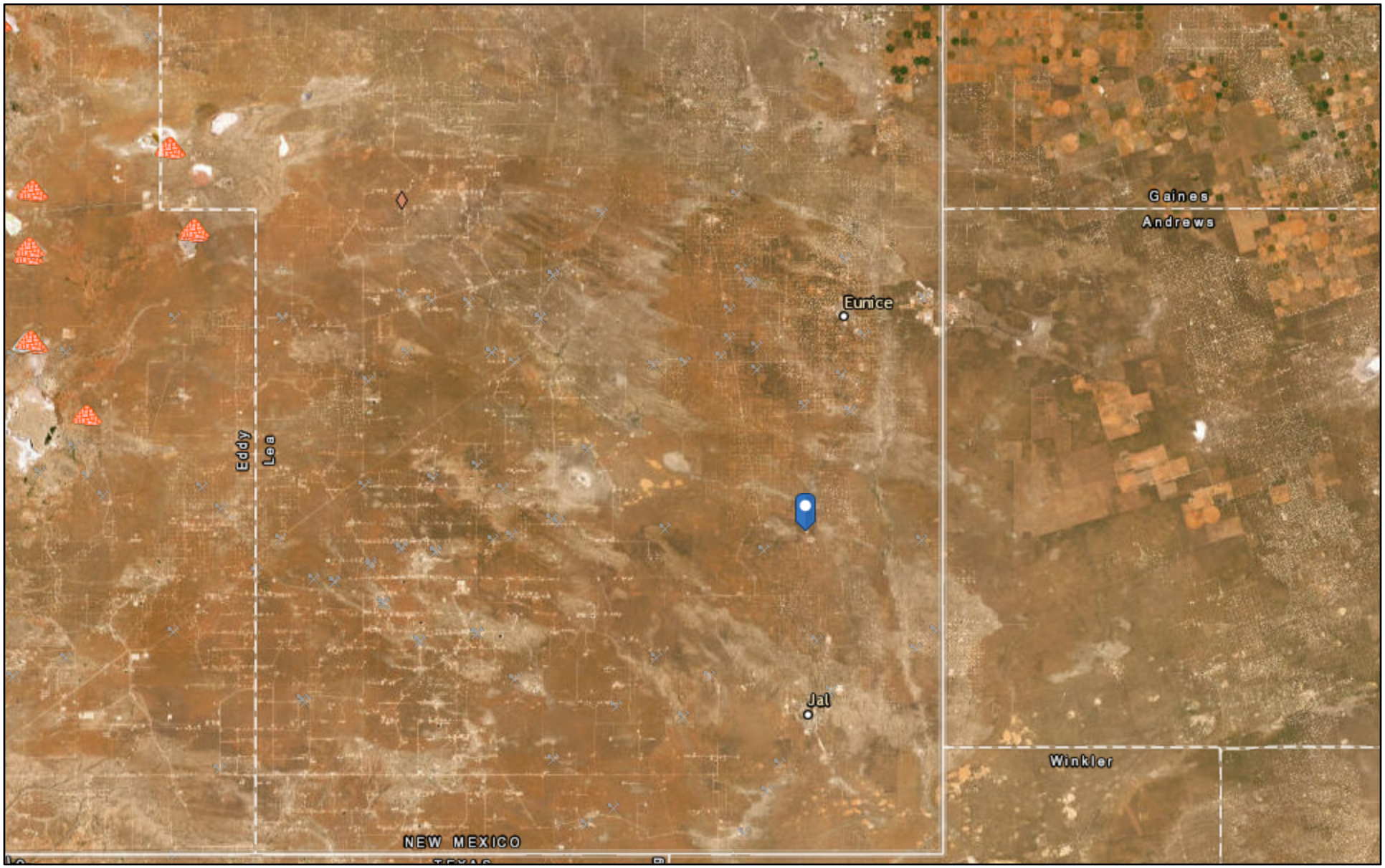
0 1.5 3 6 km

Oil Conservation Division (OCD), Energy, Minerals and Natural Resources Department (EMNRD), Esri, HERE, Garmin, Earthstar Geographics

New Mexico Oil Conservation Division

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

Active Mines in New Mexico



3/17/2025, 2:30:08 PM

1:577,791

0 4.25 8.5 17 mi

0 5 10 20 km

Esri, HERE, Garmin, Earthstar Geographics

Registered Mines

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Industrial Minerals (Other)
- Potash
- Salt

EMNRD MMD GIS Coordinator

NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

APPENDIX C
Laboratory Analytical Data

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
Tetra Tech Inc
901 W Wall
Ste 100
Midland, Texas 79701

Generated 12/6/2024 4:46:29 PM

JOB DESCRIPTION

MLMU #74
Lea County

JOB NUMBER

890-7428-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

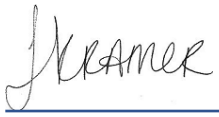
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
12/6/2024 4:46:29 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Tetra Tech Inc
Project/Site: MLMU #74

Laboratory Job ID: 890-7428-1
SDG: Lea County

Table of Contents

Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Tetra Tech Inc
Project: MLMU #74

Job ID: 890-7428-1

Job ID: 890-7428-1 Eurofins Carlsbad

Job Narrative
890-7428-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/27/2024 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: SW - 1 (890-7428-1), SW - 2 (890-7428-2), SW - 3 (890-7428-3), SW - 4 (890-7428-4), SW - 5 (890-7428-5), SW - 6 (890-7428-6), SW - 7 (890-7428-7), SW - 8 (890-7428-8), SW - 9 (890-7428-9), SW - 10 (890-7428-10), SW - 11 (890-7428-11), SW - 12 (890-7428-12), SW - 13 (890-7428-13), SW - 14 (890-7428-14), SW - 15 (890-7428-15), SW - 16 (890-7428-16), SW - 117 (890-7428-17), SW - 18 (890-7428-18), SW - 19 (890-7428-19), SW - 20 (890-7428-20), SW - 21 (890-7428-21), SW - 22 (890-7428-22), SW - 23 (890-7428-23), SW - 24 (890-7428-24), SW - 25 (890-7428-25), SW - 26 (890-7428-26), SW - 27 (890-7428-27), SW - 28 (890-7428-28), SW - 29 (890-7428-29), SW - 30 (890-7428-30), SW - 31 (890-7428-31), BH - 1 (2.0') (890-7428-32), BH - 2 (2.0') (890-7428-33), BH - 3 (2.0') (890-7428-34), BH - 4 (2.0') (890-7428-35), BH - 5 (2.0') (890-7428-36), BH -6 (2.0') (890-7428-37), BH - 7 (2.0') (890-7428-38), BH - 8 (2.0') (890-7428-39), BH - 9 (2.0') (890-7428-40), BH - 10 (2.0') (890-7428-41), BH - 11 (2.0') (890-7428-42), BH - 12 (2.0') (890-7428-43), BH - 13 (2.0') (890-7428-44), BH - 14 (2.0') (890-7428-45), BH - 15 (2.0') (890-7428-46), BH - 16 (2.0') (890-7428-47), BH - 17 (2.0') (890-7428-48), BH - 18 (2.0') (890-7428-49), BH - 19 (2.0') (890-7428-50), BH - 20 (2.0') (890-7428-51), BH - 21 (4.0') (890-7428-52), BH - 22 (4.0') (890-7428-53), BH - 23 (4.0') (890-7428-54), BH - 24 (4.0') (890-7428-55), BH - 25 (4.0') (890-7428-56), BH - 26 (4.0') (890-7428-57), BH - 27 (4.0') (890-7428-58), BH - 28 (4.0') (890-7428-59), BH - 29 (4.0') (890-7428-60), BH - 30 (2.0') (890-7428-61), BH - 31 (2.0') (890-7428-62), BH - 32 (2.0') (890-7428-63), BH - 33 (2.0') (890-7428-64), BH - 34 (2.0') (890-7428-65), BH - 35 (2.0) (890-7428-66), BH - 36 (2.0') (890-7428-67), BH - 37 (2.0') (890-7428-68), BH - 38 (2.0') (890-7428-69), BH - 39 (2.0') (890-7428-70), BH - 40 (2.0') (890-7428-71) and BH - 41 (2.0') (890-7428-72).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-96838 and analytical batch 880-96844 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-96843 recovered above the upper control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-96843/20) and (CCV 880-96843/33).

Method 8021B: The laboratory control sample (LCS) for preparation batch 880-96836 and analytical batch 880-96843 recovered outside control limits for the following analytes: Ethylbenzene and m-Xylene & p-Xylene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-96841 recovered above the upper control limit for o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-96841/20).

Method 8021B: The following sample was diluted due to the nature of the sample matrix: BH - 8 (2.0') (890-7428-39). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad

Case Narrative

Client: Tetra Tech Inc
Project: MLMU #74

Job ID: 890-7428-1

Job ID: 890-7428-1 (Continued) Eurofins Carlsbad

Diesel Range Organics
Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-96860 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-96848 and analytical batch 880-96860 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-96848/2-A) and (LCSD 880-96848/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: SW - 27 (890-7428-27), (LCS 880-96856/2-A) and (LCSD 880-96856/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH - 3 (2.0') (890-7428-34). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-96856 and analytical batch 880-96862 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96857 and analytical batch 880-96956 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96857 and analytical batch 880-96956 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH - 12 (2.0') (890-7428-43), BH - 13 (2.0') (890-7428-44), BH - 15 (2.0') (890-7428-46), BH - 17 (2.0') (890-7428-48), BH - 18 (2.0') (890-7428-49), BH - 19 (2.0') (890-7428-50), BH - 20 (2.0') (890-7428-51), BH - 21 (4.0') (890-7428-52), BH - 22 (4.0') (890-7428-53), BH - 23 (4.0') (890-7428-54), BH - 24 (4.0') (890-7428-55), BH - 25 (4.0') (890-7428-56), BH - 26 (4.0') (890-7428-57), BH - 27 (4.0') (890-7428-58), BH - 28 (4.0') (890-7428-59), BH - 29 (4.0') (890-7428-60), (890-7428-A-41-E MS) and (890-7428-A-41-F MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-96858 and analytical batch 880-96959 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96901 and analytical batch 880-96962 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96900 and analytical batch 880-96961 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-96899 and analytical batch 880-96958 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch

Case Narrative

Client: Tetra Tech Inc
Project: MLMU #74

Job ID: 890-7428-1

Job ID: 890-7428-1 (Continued) Eurofins Carlsbad

880-96902 and analytical batch 880-96975 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 1

Lab Sample ID: 890-7428-1
Matrix: Solid
Date Collected: 11/27/24 08:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 12:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 12:48	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 12:48	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 12:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 12:48	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/02/24 08:40*	*12/02/24 12:48*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 12:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 12:48	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 19:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		12/02/24 09:14	12/02/24 19:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 19:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/02/24 09:14*	*12/02/24 19:23*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:14*	*12/02/24 19:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.0		mg/Kg			12/06/24 04:20	1

Client Sample ID: SW - 2

Lab Sample ID: 890-7428-2
Matrix: Solid
Date Collected: 11/27/24 08:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:09	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:09	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 13:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:09	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:09*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 2

Lab Sample ID: 890-7428-2
Matrix: Solid
Date Collected: 11/27/24 08:10
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 13:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 20:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/02/24 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:09*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**95.6**		9.90		mg/Kg			12/06/24 04:27	1

Client Sample ID: SW - 3

Lab Sample ID: 890-7428-3
Matrix: Solid
Date Collected: 11/27/24 08:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:29	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:29	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 13:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 13:29	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:29*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 13:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 20:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:26	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 3

Lab Sample ID: 890-7428-3
Matrix: Solid
Date Collected: 11/27/24 08:15
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:26*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1010**		9.90		mg/Kg			12/06/24 04:34	1

Client Sample ID: SW - 4

Lab Sample ID: 890-7428-4
Matrix: Solid
Date Collected: 11/27/24 08:20
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 13:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 13:50	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 13:50	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 13:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 13:50	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:50*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:40*	*12/02/24 13:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 13:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/02/24 20:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		12/02/24 09:14	12/02/24 20:40	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 09:14	12/02/24 20:40	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:14	12/02/24 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:40*	*1*
o-Terphenyl	*85*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.4**		10.0		mg/Kg			12/06/24 04:54	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 5

Lab Sample ID: 890-7428-5
Matrix: Solid
Date Collected: 11/27/24 08:25
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:10	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:10	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:10	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		12/02/24 08:40	12/02/24 14:10	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:10	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		12/02/24 08:40	12/02/24 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:10*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 14:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 20:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:57*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/02/24 09:14*	*12/02/24 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**163**		9.94		mg/Kg			12/06/24 05:01	1

Client Sample ID: SW - 6

Lab Sample ID: 890-7428-6
Matrix: Solid
Date Collected: 11/27/24 08:35
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:31	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:31	1
Ethylbenzene	<0.00198	U *+	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:31	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		12/02/24 08:40	12/02/24 14:31	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:40	12/02/24 14:31	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		12/02/24 08:40	12/02/24 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:31*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:31*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 6

Lab Sample ID: 890-7428-6
Matrix: Solid
Date Collected: 11/27/24 08:35
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 14:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 21:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		12/02/24 09:14	12/02/24 21:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 21:12	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:12*	*1*
o-Terphenyl	*81*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**266**		10.0		mg/Kg			12/06/24 05:08	1

Client Sample ID: SW - 7

Lab Sample ID: 890-7428-7
Matrix: Solid
Date Collected: 11/27/24 08:45
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 14:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 14:52	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 14:52	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 14:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 14:52	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:52*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 14:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 14:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 21:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/02/24 21:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 21:29	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 7

Lab Sample ID: 890-7428-7
Matrix: Solid
Date Collected: 11/27/24 08:45
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:29*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.7**		10.0		mg/Kg			12/06/24 05:15	1

Client Sample ID: SW - 8

Lab Sample ID: 890-7428-8
Matrix: Solid
Date Collected: 11/27/24 08:50
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 15:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 15:12	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 15:12	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 15:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 15:12	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:12*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 15:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 21:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/02/24 21:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 21:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:43*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/02/24 09:14*	*12/02/24 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62.5**		9.96		mg/Kg			12/06/24 05:22	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 9

Lab Sample ID: 890-7428-9

Date Collected: 11/27/24 09:00
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:33	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:33	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 15:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:33	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:33*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 22:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		12/02/24 09:14	12/02/24 22:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 22:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/02/24 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:00*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**701**	**F1**	9.98		mg/Kg			12/06/24 05:29	1

Client Sample ID: SW - 10

Lab Sample ID: 890-7428-10

Date Collected: 11/27/24 09:10
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:53	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:53	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 15:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 15:53	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:53*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 15:53*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 10

Lab Sample ID: 890-7428-10
Matrix: Solid
Date Collected: 11/27/24 09:10
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 22:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/02/24 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:14*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	133		9.98		mg/Kg			12/06/24 05:49	1

Client Sample ID: SW - 11

Lab Sample ID: 890-7428-11
Matrix: Solid
Date Collected: 11/27/24 09:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:18	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:18	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 17:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:18	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:18*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 17:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 22:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/02/24 22:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 22:45	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 11

Lab Sample ID: 890-7428-11

Date Collected: 11/27/24 09:15
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:45*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/02/24 09:14*	*12/02/24 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**107**		10.0		mg/Kg			12/06/24 05:56	1

Client Sample ID: SW - 12

Lab Sample ID: 890-7428-12

Date Collected: 11/27/24 09:25
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 17:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 17:38	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		12/02/24 08:40	12/02/24 17:38	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 17:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 17:38	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:38*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 17:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 23:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/02/24 23:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 23:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/02/24 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:00*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**		10.0		mg/Kg			12/06/24 06:17	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 13

Date Collected: 11/27/24 09:30
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-13
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:59	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:59	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 17:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 17:59	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:59*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:40*	*12/02/24 17:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 17:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/02/24 23:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U *+	49.6		mg/Kg		12/02/24 09:14	12/02/24 23:15	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/02/24 09:14	12/02/24 23:15	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/02/24 09:14	12/02/24 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:15*	*1*
o-Terphenyl	*72*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.6**		10.0		mg/Kg			12/06/24 06:24	1

Client Sample ID: SW - 14

Date Collected: 11/27/24 09:40
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-14
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 18:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 18:20	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 18:20	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 18:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 18:20	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 18:20*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 18:20*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 14

Lab Sample ID: 890-7428-14

Date Collected: 11/27/24 09:40
Matrix: Solid
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 18:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/02/24 23:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+	49.7		mg/Kg		12/02/24 09:14	12/02/24 23:30	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 09:14	12/02/24 23:30	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:14	12/02/24 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:30*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**226**		10.1		mg/Kg			12/06/24 06:31	1

Client Sample ID: SW - 15

Lab Sample ID: 890-7428-15

Date Collected: 11/27/24 09:45
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 18:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 18:40	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 18:40	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 18:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 18:40	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		12/02/24 08:40	12/02/24 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 18:40*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*12/02/24 08:40*	*12/02/24 18:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 18:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 23:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/02/24 23:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 23:45	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 15

Lab Sample ID: 890-7428-15
Matrix: Solid
Date Collected: 11/27/24 09:45
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/02/24 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:45*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:14*	*12/02/24 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.3**		10.0		mg/Kg			12/06/24 06:38	1

Client Sample ID: SW - 16

Lab Sample ID: 890-7428-16
Matrix: Solid
Date Collected: 11/27/24 09:55
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:01	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:01	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 19:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:01	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:01*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 19:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 00:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	49.9		mg/Kg		12/02/24 09:14	12/03/24 00:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/03/24 00:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:14	12/03/24 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:00*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**157**		9.96		mg/Kg			12/06/24 06:44	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 117

Lab Sample ID: 890-7428-17
Matrix: Solid
Date Collected: 11/27/24 10:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 19:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 19:21	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 19:21	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 19:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 19:21	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:21*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 19:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 00:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:14	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:14	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:14*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**249**		10.1		mg/Kg			12/06/24 06:51	1

Client Sample ID: SW - 18

Lab Sample ID: 890-7428-18
Matrix: Solid
Date Collected: 11/27/24 10:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:42	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:42	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:40	12/02/24 19:42	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		12/02/24 08:40	12/02/24 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:42*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:40*	*12/02/24 19:42*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 18

Lab Sample ID: 890-7428-18
Matrix: Solid
Date Collected: 11/27/24 10:15
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 19:42	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 00:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:29	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:14	12/03/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:29*	*1*
o-Terphenyl	*74*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**90.5**		10.1		mg/Kg			12/06/24 06:58	1

Client Sample ID: SW - 19

Lab Sample ID: 890-7428-19
Matrix: Solid
Date Collected: 11/27/24 10:20
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 20:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 20:03	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		12/02/24 08:40	12/02/24 20:03	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 20:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 20:03	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		12/02/24 08:40	12/02/24 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 20:03*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:40*	*12/02/24 20:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 20:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 00:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:43	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 19

Lab Sample ID: 890-7428-19
Matrix: Solid
Date Collected: 11/27/24 10:20
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:43*	*1*
o-Terphenyl	*71*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84.1**	**F1**	9.96		mg/Kg			12/04/24 00:59	1

Client Sample ID: SW - 20

Lab Sample ID: 890-7428-20
Matrix: Solid
Date Collected: 11/27/24 10:30
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 20:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 20:23	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		12/02/24 08:40	12/02/24 20:23	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 20:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:40	12/02/24 20:23	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		12/02/24 08:40	12/02/24 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*12/02/24 08:40*	*12/02/24 20:23*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:40*	*12/02/24 20:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 20:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 00:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:14	12/03/24 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:58*	*1*
o-Terphenyl	*72*		*70 - 130*	*12/02/24 09:14*	*12/03/24 00:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.3**		9.92		mg/Kg			12/04/24 01:24	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 21

Date Collected: 11/27/24 10:35
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-21

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 12:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 12:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 12:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 12:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 12:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:42*	*12/02/24 12:37*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:42*	*12/02/24 12:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 12:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 19:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 19:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 19:23	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 19:23*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 19:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**261**		10.1		mg/Kg			12/04/24 01:32	1

Client Sample ID: SW - 22

Date Collected: 11/27/24 10:45
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-22

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 12:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 12:57*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 12:57*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 22

Lab Sample ID: 890-7428-22
Matrix: Solid
Date Collected: 11/27/24 10:45
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 12:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 20:09	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 20:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:09*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**218**		9.94		mg/Kg			12/04/24 01:40	1

Client Sample ID: SW - 23

Lab Sample ID: 890-7428-23
Matrix: Solid
Date Collected: 11/27/24 10:50
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 13:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 13:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 13:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 13:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 13:18	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:18*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 13:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 20:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:26	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 23

Lab Sample ID: 890-7428-23
Matrix: Solid
Date Collected: 11/27/24 10:50
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:26*	*1*
o-Terphenyl	*80*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**141**		9.96		mg/Kg			12/04/24 01:48	1

Client Sample ID: SW - 24

Lab Sample ID: 890-7428-24
Matrix: Solid
Date Collected: 11/27/24 10:55
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 13:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 13:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 13:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 13:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 13:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:38*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 13:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 20:40	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:40	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:40	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:18	12/02/24 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:40*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		10.0		mg/Kg			12/04/24 02:13	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 25

Lab Sample ID: 890-7428-25
Matrix: Solid
Date Collected: 11/27/24 11:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 13:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 13:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 13:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:42	12/02/24 13:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 13:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:42	12/02/24 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:59*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 13:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 13:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 20:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 20:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 20:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/02/24 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:57*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/02/24 09:18*	*12/02/24 20:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		10.1		mg/Kg			12/04/24 02:21	1

Client Sample ID: SW - 26

Lab Sample ID: 890-7428-26
Matrix: Solid
Date Collected: 11/27/24 11:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 14:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 14:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 14:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:42	12/02/24 14:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:42	12/02/24 14:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:42	12/02/24 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 14:19*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 14:19*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 26

Lab Sample ID: 890-7428-26
Matrix: Solid
Date Collected: 11/27/24 11:10
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 14:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 21:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:12	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*12/02/24 09:18*	*12/02/24 21:12*	*1*
o-Terphenyl	*78*		*70 - 130*	*12/02/24 09:18*	*12/02/24 21:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**201**		9.94		mg/Kg			12/04/24 02:29	1

Client Sample ID: SW - 27

Lab Sample ID: 890-7428-27
Matrix: Solid
Date Collected: 11/27/24 11:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 14:40	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 14:40	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 14:40*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:42*	*12/02/24 14:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 14:40	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 21:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:29	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 27

Date Collected: 11/27/24 11:15
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-27
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*12/02/24 09:18*	*12/02/24 21:29*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*12/02/24 09:18*	*12/02/24 21:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.2**		9.98		mg/Kg			12/04/24 02:37	1

Client Sample ID: SW - 28

Date Collected: 11/27/24 11:20
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-28
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 15:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 15:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 15:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 15:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 15:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:00*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 15:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 21:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 21:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 21:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:18	12/02/24 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 21:43*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/02/24 09:18*	*12/02/24 21:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**129**		10.0		mg/Kg			12/04/24 02:45	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 29

Lab Sample ID: 890-7428-29
Matrix: Solid
Date Collected: 11/27/24 11:25
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:21	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 15:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:21*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:21	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 22:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 22:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 22:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/02/24 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:00*	*1*
o-Terphenyl	*79*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.2**	**F1**	10.0		mg/Kg			12/04/24 02:53	1

Client Sample ID: SW - 30

Lab Sample ID: 890-7428-30
Matrix: Solid
Date Collected: 11/27/24 11:30
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 15:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 15:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:41*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:42*	*12/02/24 15:41*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 30

Lab Sample ID: 890-7428-30

Date Collected: 11/27/24 11:30
Matrix: Solid
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 22:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 22:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 22:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:14*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**81.3**		10.0		mg/Kg			12/04/24 03:18	1

Client Sample ID: SW - 31

Lab Sample ID: 890-7428-31

Date Collected: 11/27/24 11:35
Matrix: Solid
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:15	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 17:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:15	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:15*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 17:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 22:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 22:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 22:45	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 31

Lab Sample ID: 890-7428-31
Matrix: Solid
Date Collected: 11/27/24 11:35
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:18	12/02/24 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:45*	*1*
o-Terphenyl	*83*		*70 - 130*	*12/02/24 09:18*	*12/02/24 22:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**468**		10.1		mg/Kg			12/04/24 03:26	1

Client Sample ID: BH - 1 (2.0')

Lab Sample ID: 890-7428-32
Matrix: Solid
Date Collected: 11/26/24 12:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 17:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 17:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 17:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 17:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 17:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:36*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 17:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/02/24 23:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 23:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/02/24 23:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/02/24 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:00*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.0**		9.96		mg/Kg			12/04/24 03:50	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-7428-33
Matrix: Solid
Date Collected: 11/26/24 12:05
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:56	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 17:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 17:56	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:42	12/02/24 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:56*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 17:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 17:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/02/24 23:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *+ *1	49.7		mg/Kg		12/02/24 09:18	12/02/24 23:15	1
Diesel Range Organics (Over C10-C28)	<49.7	U *+ *1	49.7		mg/Kg		12/02/24 09:18	12/02/24 23:15	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:18	12/02/24 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:15*	*1*
o-Terphenyl	*75*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**70.0**		9.94		mg/Kg			12/04/24 03:58	1

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-7428-34
Matrix: Solid
Date Collected: 11/26/24 12:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 18:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 18:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 18:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 18:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 18:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:17*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:17*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-7428-34
Matrix: Solid
Date Collected: 11/26/24 12:10
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 18:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/02/24 23:30	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 23:30	1
Diesel Range Organics (Over C10-C28)	<49.8	U *+ *1	49.8		mg/Kg		12/02/24 09:18	12/02/24 23:30	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:18	12/02/24 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:30*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*12/02/24 09:18*	*12/02/24 23:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		10.1		mg/Kg			12/04/24 04:06	1

Client Sample ID: BH - 4 (2.0')

Lab Sample ID: 890-7428-35
Matrix: Solid
Date Collected: 11/26/24 12:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 18:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 18:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 18:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 18:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 18:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:42	12/02/24 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:37*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 18:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/02/24 23:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 23:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/02/24 23:45	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 4 (2.0')

Lab Sample ID: 890-7428-35
Matrix: Solid
Date Collected: 11/26/24 12:15
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:45*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:18*	*12/02/24 23:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		9.92		mg/Kg			12/04/24 04:15	1

Client Sample ID: BH - 5 (2.0')

Lab Sample ID: 890-7428-36
Matrix: Solid
Date Collected: 11/26/24 12:20
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 18:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 18:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 18:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 18:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 18:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:58*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 18:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 18:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 00:00	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:00*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		10.1		mg/Kg			12/04/24 04:23	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH -6 (2.0')

Lab Sample ID: 890-7428-37
Matrix: Solid
Date Collected: 11/26/24 12:25
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 19:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 19:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 19:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 19:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 19:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/02/24 08:42*	*12/02/24 19:18*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:42*	*12/02/24 19:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 19:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 00:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:14*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**648**		10.0		mg/Kg			12/04/24 04:31	1

Client Sample ID: BH - 7 (2.0')

Lab Sample ID: 890-7428-38
Matrix: Solid
Date Collected: 11/26/24 12:30
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 19:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 19:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 19:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 19:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:42	12/02/24 19:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:42	12/02/24 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:42*	*12/02/24 19:39*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:42*	*12/02/24 19:39*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 7 (2.0')

Lab Sample ID: 890-7428-38
Matrix: Solid
Date Collected: 11/26/24 12:30
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 19:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 00:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:29*	*1*
o-Terphenyl	*77*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		9.96		mg/Kg			12/04/24 04:39	1

Client Sample ID: BH - 8 (2.0')

Lab Sample ID: 890-7428-39
Matrix: Solid
Date Collected: 11/27/24 10:35
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00994	U	0.00994		mg/Kg		12/03/24 08:00	12/03/24 15:17	5
Toluene	<0.00994	U	0.00994		mg/Kg		12/03/24 08:00	12/03/24 15:17	5
Ethylbenzene	<0.00994	U	0.00994		mg/Kg		12/03/24 08:00	12/03/24 15:17	5
m-Xylene & p-Xylene	<0.0199	U	0.0199		mg/Kg		12/03/24 08:00	12/03/24 15:17	5
o-Xylene	<0.00994	U	0.00994		mg/Kg		12/03/24 08:00	12/03/24 15:17	5
Xylenes, Total	<0.0199	U	0.0199		mg/Kg		12/03/24 08:00	12/03/24 15:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*70*		*70 - 130*	*12/03/24 08:00*	*12/03/24 15:17*	*5*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/03/24 08:00*	*12/03/24 15:17*	*5*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0199	U	0.0199		mg/Kg			12/03/24 15:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 00:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+ *1	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:43	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 8 (2.0')

Lab Sample ID: 890-7428-39
Matrix: Solid
Date Collected: 11/27/24 10:35
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:18	12/03/24 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:43*	*1*
o-Terphenyl	*81*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**149**	**F1**	10.1		mg/Kg			12/04/24 05:44	1

Client Sample ID: BH - 9 (2.0')

Lab Sample ID: 890-7428-40
Matrix: Solid
Date Collected: 11/26/24 12:40
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 20:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 20:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 20:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 20:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:42	12/02/24 20:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:42	12/02/24 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*12/02/24 08:42*	*12/02/24 20:20*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:42*	*12/02/24 20:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 20:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 00:58	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/03/24 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*76*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:58*	*1*
o-Terphenyl	*76*		*70 - 130*	*12/02/24 09:18*	*12/03/24 00:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**288**		10.0		mg/Kg			12/04/24 06:09	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 10 (2.0')

Lab Sample ID: 890-7428-41
Matrix: Solid
Date Collected: 11/27/24 10:40
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 14:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 14:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 14:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 14:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 14:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:02*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 14:02	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 10:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 10:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U F1	49.8		mg/Kg		12/02/24 09:21	12/03/24 10:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/02/24 09:21*	*12/03/24 10:59*	*1*
o-Terphenyl	*71*		*70 - 130*	*12/02/24 09:21*	*12/03/24 10:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**752**		10.1		mg/Kg			12/04/24 06:17	1

Client Sample ID: BH - 11 (2.0')

Lab Sample ID: 890-7428-42
Matrix: Solid
Date Collected: 11/26/24 12:45
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 14:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:23*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:23*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 11 (2.0')

Lab Sample ID: 890-7428-42
Matrix: Solid
Date Collected: 11/26/24 12:45
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 14:23	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/03/24 11:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 11:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 11:47	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:21*	*12/03/24 11:47*	*1*
o-Terphenyl	*70*		*70 - 130*	*12/02/24 09:21*	*12/03/24 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**260**		10.1		mg/Kg			12/04/24 06:25	1

Client Sample ID: BH - 12 (2.0')

Lab Sample ID: 890-7428-43
Matrix: Solid
Date Collected: 11/26/24 13:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 14:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 14:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:43*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*12/02/24 08:43*	*12/02/24 14:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 14:43	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 12:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 12:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 12:04	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 12 (2.0')

Lab Sample ID: 890-7428-43
Matrix: Solid
Date Collected: 11/26/24 13:00
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/02/24 09:21*	*12/03/24 12:04*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 12:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**98.4**		9.96		mg/Kg			12/04/24 06:33	1

Client Sample ID: BH - 13 (2.0')

Lab Sample ID: 890-7428-44
Matrix: Solid
Date Collected: 11/26/24 13:05
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 15:04	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 15:04	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 15:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 15:04	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 15:04	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:04*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/03/24 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 12:20	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 12:20	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/02/24 09:21*	*12/03/24 12:20*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 12:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		9.94		mg/Kg			12/04/24 06:58	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 14 (2.0')

Lab Sample ID: 890-7428-45
Matrix: Solid
Date Collected: 11/26/24 13:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:43	12/02/24 15:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:43	12/02/24 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:24*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 15:24	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 12:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 12:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 12:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:21*	*12/03/24 12:36*	*1*
o-Terphenyl	*70*		*70 - 130*	*12/02/24 09:21*	*12/03/24 12:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**454**		9.98		mg/Kg			12/04/24 07:06	1

Client Sample ID: BH - 15 (2.0')

Lab Sample ID: 890-7428-46
Matrix: Solid
Date Collected: 11/26/24 13:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:43	12/02/24 15:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:43	12/02/24 15:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:43	12/02/24 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:45*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:43*	*12/02/24 15:45*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 15 (2.0')

Lab Sample ID: 890-7428-46
Matrix: Solid
Date Collected: 11/26/24 13:15
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 15:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 12:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 12:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 12:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*12/02/24 09:21*	*12/03/24 12:51*	*1*
o-Terphenyl	*66*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 12:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**918**		9.92		mg/Kg			12/04/24 07:14	1

Client Sample ID: BH - 16 (2.0')

Lab Sample ID: 890-7428-47
Matrix: Solid
Date Collected: 11/26/24 13:20
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 16:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:05*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 16:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 13:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:07	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 16 (2.0')

Lab Sample ID: 890-7428-47
Matrix: Solid
Date Collected: 11/26/24 13:20
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/02/24 09:21*	*12/03/24 13:07*	*1*
o-Terphenyl	*73*		*70 - 130*	*12/02/24 09:21*	*12/03/24 13:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1120**		10.1		mg/Kg			12/04/24 07:22	1

Client Sample ID: BH - 17 (2.0')

Lab Sample ID: 890-7428-48
Matrix: Solid
Date Collected: 11/26/24 13:25
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 16:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 16:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:26*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 16:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 13:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 13:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*12/02/24 09:21*	*12/03/24 13:23*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 13:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**121**		9.96		mg/Kg			12/04/24 07:30	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 18 (2.0')

Lab Sample ID: 890-7428-49
Matrix: Solid
Date Collected: 11/26/24 13:30
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 16:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 16:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 16:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 16:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:46*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/24 08:43*	*12/02/24 16:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 16:46	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 13:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*12/02/24 09:21*	*12/03/24 13:39*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**133**	**F1**	10.1		mg/Kg			12/04/24 07:38	1

Client Sample ID: BH - 19 (2.0')

Lab Sample ID: 890-7428-50
Matrix: Solid
Date Collected: 11/26/24 13:35
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 17:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 17:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 17:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 17:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 17:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/24 08:43*	*12/02/24 17:06*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:43*	*12/02/24 17:06*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 19 (2.0')

Lab Sample ID: 890-7428-50
Matrix: Solid
Date Collected: 11/26/24 13:35
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 17:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 13:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/02/24 09:21*	*12/03/24 13:54*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**125**		9.96		mg/Kg			12/04/24 08:03	1

Client Sample ID: BH - 20 (2.0')

Lab Sample ID: 890-7428-51
Matrix: Solid
Date Collected: 11/26/24 13:40
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 18:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 18:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 18:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 18:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 18:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*12/02/24 08:43*	*12/02/24 18:57*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*12/02/24 08:43*	*12/02/24 18:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 18:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 14:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 14:26	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 20 (2.0')

Lab Sample ID: 890-7428-51
Matrix: Solid
Date Collected: 11/26/24 13:40
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*12/02/24 09:21*	*12/03/24 14:26*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 14:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**520**		10.0		mg/Kg			12/04/24 08:11	1

Client Sample ID: BH - 21 (4.0')

Lab Sample ID: 890-7428-52
Matrix: Solid
Date Collected: 11/26/24 13:45
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 19:17	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 19:17	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 19:17	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 19:17	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 19:17	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:17*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 19:17	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 14:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/02/24 09:21*	*12/03/24 14:42*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 14:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**405**		9.94		mg/Kg			12/04/24 08:35	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 22 (4.0')

Lab Sample ID: 890-7428-53
Matrix: Solid
Date Collected: 11/26/24 13:50
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 19:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 19:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 19:38	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 19:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 19:38	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:38*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 19:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			12/03/24 14:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 14:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 14:59	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		12/02/24 09:21	12/03/24 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/02/24 09:21*	*12/03/24 14:59*	*1*
o-Terphenyl	*64*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 14:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		9.98		mg/Kg			12/04/24 08:43	1

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-7428-54
Matrix: Solid
Date Collected: 11/26/24 13:55
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 19:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 19:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 19:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 19:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 19:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:58*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*12/02/24 08:43*	*12/02/24 19:58*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-7428-54
Matrix: Solid
Date Collected: 11/26/24 13:55
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 19:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/03/24 15:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 15:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 15:14	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:21	12/03/24 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*12/02/24 09:21*	*12/03/24 15:14*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 15:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**134**		10.0		mg/Kg			12/04/24 08:52	1

Client Sample ID: BH - 24 (4.0')

Lab Sample ID: 890-7428-55
Matrix: Solid
Date Collected: 11/26/24 14:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 20:19	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 20:19	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:43	12/02/24 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*12/02/24 08:43*	*12/02/24 20:19*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/24 08:43*	*12/02/24 20:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 20:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 15:32	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 15:32	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 15:32	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 24 (4.0')

Lab Sample ID: 890-7428-55
Matrix: Solid
Date Collected: 11/26/24 14:00
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*81*		*70 - 130*	*12/02/24 09:21*	*12/03/24 15:32*	*1*
o-Terphenyl	*60*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 15:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.9**		10.0		mg/Kg			12/04/24 09:00	1

Client Sample ID: BH - 25 (4.0')

Lab Sample ID: 890-7428-56
Matrix: Solid
Date Collected: 11/26/24 14:05
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 20:39	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 20:39	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 20:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 20:39	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 20:39	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/24 08:43*	*12/02/24 20:39*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/24 08:43*	*12/02/24 20:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 20:39	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 15:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 15:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 15:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:21*	*12/03/24 15:48*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 15:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**48.4**		9.96		mg/Kg			12/04/24 09:08	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 26 (4.0')

Lab Sample ID: 890-7428-57
Matrix: Solid
Date Collected: 11/26/24 14:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 21:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 21:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 21:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 21:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 21:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:00*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 21:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 16:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*12/02/24 09:21*	*12/03/24 16:05*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 16:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.7**		9.96		mg/Kg			12/04/24 09:16	1

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-7428-58
Matrix: Solid
Date Collected: 11/26/24 14:15
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 21:20	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 21:20	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 21:20	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 21:20	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:43	12/02/24 21:20	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:43	12/02/24 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:20*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:20*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-7428-58
Matrix: Solid
Date Collected: 11/26/24 14:15
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 21:20	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 16:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:20	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:20	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*12/02/24 09:21*	*12/03/24 16:20*	*1*
o-Terphenyl	*63*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 16:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**345**		10.0		mg/Kg			12/04/24 09:24	1

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-7428-59
Matrix: Solid
Date Collected: 11/26/24 14:25
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 21:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 21:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 21:41	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 21:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 21:41	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:43	12/02/24 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:41*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*12/02/24 08:43*	*12/02/24 21:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 21:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 16:37	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:37	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-7428-59
Matrix: Solid
Date Collected: 11/26/24 14:25
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:21	12/03/24 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*12/02/24 09:21*	*12/03/24 16:37*	*1*
o-Terphenyl	*69*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 16:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**372**	**F1**	10.1		mg/Kg			12/06/24 08:49	1

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-7428-60
Matrix: Solid
Date Collected: 11/27/24 10:45
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 22:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 22:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 22:01	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 22:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:43	12/02/24 22:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:43	12/02/24 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:43*	*12/02/24 22:01*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:43*	*12/02/24 22:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 22:01	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 16:52	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 16:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 16:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:21	12/03/24 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:21*	*12/03/24 16:52*	*1*
o-Terphenyl	*68*	*S1-*	*70 - 130*	*12/02/24 09:21*	*12/03/24 16:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**784**		10.0		mg/Kg			12/06/24 09:10	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 30 (2.0')

Lab Sample ID: 890-7428-61
Matrix: Solid
Date Collected: 11/26/24 14:30
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 12:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 12:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 12:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 12:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 12:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:36*	*12/02/24 12:30*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/02/24 08:36*	*12/02/24 12:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 12:30	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 10:59	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 10:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 10:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*12/02/24 09:23*	*12/03/24 10:59*	*1*
o-Terphenyl	*89*		*70 - 130*	*12/02/24 09:23*	*12/03/24 10:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**492**		10.1		mg/Kg			12/06/24 09:17	1

Client Sample ID: BH - 31 (2.0')

Lab Sample ID: 890-7428-62
Matrix: Solid
Date Collected: 11/27/24 10:50
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 13:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:11*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:11*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 31 (2.0')

Lab Sample ID: 890-7428-62
Matrix: Solid
Date Collected: 11/27/24 10:50
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 13:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 11:47	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 11:47	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 11:47	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*12/02/24 09:23*	*12/03/24 11:47*	*1*
o-Terphenyl	*93*		*70 - 130*	*12/02/24 09:23*	*12/03/24 11:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**832**		10.1		mg/Kg			12/06/24 09:23	1

Client Sample ID: BH - 32 (2.0')

Lab Sample ID: 890-7428-63
Matrix: Solid
Date Collected: 11/26/24 14:35
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:36	12/02/24 13:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 13:31	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:36	12/02/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:31*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 13:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 12:04	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:04	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 32 (2.0')

Lab Sample ID: 890-7428-63
Matrix: Solid
Date Collected: 11/26/24 14:35
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:04*	*1*
o-Terphenyl	*90*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**300**		9.96		mg/Kg			12/06/24 09:30	1

Client Sample ID: BH - 33 (2.0')

Lab Sample ID: 890-7428-64
Matrix: Solid
Date Collected: 11/26/24 14:40
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 13:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 13:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 13:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 13:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 13:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:52*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/24 08:36*	*12/02/24 13:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 13:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 12:20	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 12:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:20*	*1*
o-Terphenyl	*85*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**404**		49.7		mg/Kg			12/06/24 09:51	5

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 34 (2.0')

Lab Sample ID: 890-7428-65
Matrix: Solid
Date Collected: 11/26/24 14:45
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:36	12/02/24 14:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:36	12/02/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:12*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 14:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			12/03/24 12:36	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		12/02/24 09:23	12/03/24 12:36	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		12/02/24 09:23	12/03/24 12:36	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		12/02/24 09:23	12/03/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:36*	*1*
o-Terphenyl	*92*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**659**		9.98		mg/Kg			12/06/24 09:58	1

Client Sample ID: BH - 35 (2.0)

Lab Sample ID: 890-7428-66
Matrix: Solid
Date Collected: 11/26/24 14:50
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		12/02/24 08:36	12/02/24 14:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		12/02/24 08:36	12/02/24 14:33	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		12/02/24 08:36	12/02/24 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:33*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 35 (2.0)

Lab Sample ID: 890-7428-66
Matrix: Solid
Date Collected: 11/26/24 14:50
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			12/02/24 14:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 12:51	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 12:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 12:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:51*	*1*
o-Terphenyl	*87*		*70 - 130*	*12/02/24 09:23*	*12/03/24 12:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.4**		9.92		mg/Kg			12/06/24 10:05	1

Client Sample ID: BH - 36 (2.0')

Lab Sample ID: 890-7428-67
Matrix: Solid
Date Collected: 11/26/24 14:55
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 14:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 14:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 14:54	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 14:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 14:54	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:54*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/24 08:36*	*12/02/24 14:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 14:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 13:07	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:07	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:07	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 36 (2.0')

Lab Sample ID: 890-7428-67
Matrix: Solid
Date Collected: 11/26/24 14:55
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:07*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**165**		10.1		mg/Kg			12/06/24 10:12	1

Client Sample ID: BH - 37 (2.0')

Lab Sample ID: 890-7428-68
Matrix: Solid
Date Collected: 11/26/24 15:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 15:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 15:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 15:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		12/02/24 08:36	12/02/24 15:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 15:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		12/02/24 08:36	12/02/24 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:36*	*12/02/24 15:14*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/02/24 08:36*	*12/02/24 15:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			12/02/24 15:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 13:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:23	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:23*	*1*
o-Terphenyl	*81*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**383**		9.96		mg/Kg			12/06/24 10:18	1

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 38 (2.0')

Lab Sample ID: 890-7428-69
Matrix: Solid
Date Collected: 11/26/24 15:05
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 15:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 15:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 15:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 15:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 15:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*12/02/24 08:36*	*12/02/24 15:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*12/02/24 08:36*	*12/02/24 15:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 15:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 13:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 13:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 13:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:39*	*1*
o-Terphenyl	*84*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.0**	**F1**	10.1		mg/Kg			12/06/24 10:25	1

Client Sample ID: BH - 39 (2.0')

Lab Sample ID: 890-7428-70
Matrix: Solid
Date Collected: 11/27/24 10:55
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 17:09	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 17:09	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 17:09	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 17:09	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/02/24 08:36	12/02/24 17:09	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/02/24 08:36	12/02/24 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:09*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:09*	*1*

Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 39 (2.0')

Lab Sample ID: 890-7428-70
Matrix: Solid
Date Collected: 11/27/24 10:55
Date Received: 11/27/24 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/02/24 17:09	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			12/03/24 13:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 13:54	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 13:54	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		12/02/24 09:23	12/03/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:54*	*1*
o-Terphenyl	*81*		*70 - 130*	*12/02/24 09:23*	*12/03/24 13:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**530**		9.96		mg/Kg			12/06/24 10:46	1

Client Sample ID: BH - 40 (2.0')

Lab Sample ID: 890-7428-71
Matrix: Solid
Date Collected: 11/26/24 15:10
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 17:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 17:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 17:29	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 17:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 17:29	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		12/02/24 08:36	12/02/24 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:29*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			12/02/24 17:29	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			12/03/24 14:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 14:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 14:26	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 40 (2.0')

Lab Sample ID: 890-7428-71
Matrix: Solid
Date Collected: 11/26/24 15:10
Date Received: 11/27/24 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*12/02/24 09:23*	*12/03/24 14:26*	*1*
o-Terphenyl	*82*		*70 - 130*	*12/02/24 09:23*	*12/03/24 14:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1080**		10.0		mg/Kg			12/06/24 10:53	1

Client Sample ID: BH - 41 (2.0')

Lab Sample ID: 890-7428-72
Matrix: Solid
Date Collected: 11/27/24 11:00
Date Received: 11/27/24 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:36	12/02/24 17:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:36	12/02/24 17:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:36	12/02/24 17:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		12/02/24 08:36	12/02/24 17:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		12/02/24 08:36	12/02/24 17:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		12/02/24 08:36	12/02/24 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:50*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*12/02/24 08:36*	*12/02/24 17:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			12/02/24 17:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			12/03/24 14:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 14:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 14:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		12/02/24 09:23	12/03/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*12/02/24 09:23*	*12/03/24 14:42*	*1*
o-Terphenyl	*86*		*70 - 130*	*12/02/24 09:23*	*12/03/24 14:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2030**		49.7		mg/Kg			12/06/24 12:02	5

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
880-51647-A-1-G MS	Matrix Spike	101	95										
880-51647-A-1-H MSD	Matrix Spike Duplicate	101	96										
890-7428-1	SW - 1	89	94										
890-7428-1 MS	SW - 1	107	104										
890-7428-1 MSD	SW - 1	96	105										
890-7428-2	SW - 2	92	97										
890-7428-3	SW - 3	94	96										
890-7428-4	SW - 4	91	95										
890-7428-5	SW - 5	95	83										
890-7428-6	SW - 6	92	96										
890-7428-7	SW - 7	89	92										
890-7428-8	SW - 8	94	93										
890-7428-9	SW - 9	94	96										
890-7428-10	SW - 10	92	93										
890-7428-11	SW - 11	87	92										
890-7428-12	SW - 12	91	92										
890-7428-13	SW - 13	93	95										
890-7428-14	SW - 14	91	93										
890-7428-15	SW - 15	93	92										
890-7428-16	SW - 16	94	91										
890-7428-17	SW - 117	91	94										
890-7428-18	SW - 18	96	94										
890-7428-19	SW - 19	91	93										
890-7428-20	SW - 20	91	95										
890-7428-21	SW - 21	110	106										
890-7428-21 MS	SW - 21	107	103										
890-7428-21 MSD	SW - 21	105	104										
890-7428-22	SW - 22	111	107										
890-7428-23	SW - 23	108	107										
890-7428-24	SW - 24	110	107										
890-7428-25	SW - 25	111	107										
890-7428-26	SW - 26	111	108										
890-7428-27	SW - 27	108	105										
890-7428-28	SW - 28	107	104										
890-7428-29	SW - 29	110	108										
890-7428-30	SW - 30	109	106										
890-7428-31	SW - 31	111	107										
890-7428-32	BH - 1 (2.0')	115	107										
890-7428-33	BH - 2 (2.0')	109	107										
890-7428-34	BH - 3 (2.0')	111	108										
890-7428-35	BH - 4 (2.0')	111	108										
890-7428-36	BH - 5 (2.0')	113	108										
890-7428-37	BH -6 (2.0')	112	106										
890-7428-38	BH - 7 (2.0')	106	107										
890-7428-39	BH - 8 (2.0')	70	94										
890-7428-40	BH - 9 (2.0')	114	108										
890-7428-41	BH - 10 (2.0')	96	93										
890-7428-41 MS	BH - 10 (2.0')	107	98										
890-7428-41 MSD	BH - 10 (2.0')	103	96										

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-7428-42	BH - 11 (2.0')	111	97
890-7428-43	BH - 12 (2.0')	128	108
890-7428-44	BH - 13 (2.0')	112	94
890-7428-45	BH - 14 (2.0')	120	97
890-7428-46	BH - 15 (2.0')	110	97
890-7428-47	BH - 16 (2.0')	121	105
890-7428-48	BH - 17 (2.0')	118	102
890-7428-49	BH - 18 (2.0')	124	101
890-7428-50	BH - 19 (2.0')	120	95
890-7428-51	BH - 20 (2.0')	88	93
890-7428-52	BH - 21 (4.0')	120	102
890-7428-53	BH - 22 (4.0')	115	103
890-7428-54	BH - 23 (4.0')	109	96
890-7428-55	BH - 24 (4.0')	118	99
890-7428-56	BH - 25 (4.0')	120	102
890-7428-57	BH - 26 (4.0')	107	101
890-7428-58	BH - 27 (4.0')	130	107
890-7428-59	BH - 28 (4.0')	120	107
890-7428-60	BH - 29 (4.0')	105	97
890-7428-61	BH - 30 (2.0')	109	100
890-7428-61 MS	BH - 30 (2.0')	106	101
890-7428-61 MSD	BH - 30 (2.0')	107	98
890-7428-62	BH - 31 (2.0')	103	101
890-7428-63	BH - 32 (2.0')	116	99
890-7428-64	BH - 33 (2.0')	109	99
890-7428-65	BH - 34 (2.0')	105	100
890-7428-66	BH - 35 (2.0)	109	100
890-7428-67	BH - 36 (2.0')	105	101
890-7428-68	BH - 37 (2.0')	106	100
890-7428-69	BH - 38 (2.0')	105	100
890-7428-70	BH - 39 (2.0')	106	99
890-7428-71	BH - 40 (2.0')	110	102
890-7428-72	BH - 41 (2.0')	110	101
LCS 880-96835/1-A	Lab Control Sample	107	99
LCS 880-96836/1-A	Lab Control Sample	111	101
LCS 880-96837/1-A	Lab Control Sample	105	103
LCS 880-96838/1-A	Lab Control Sample	102	96
LCS 880-96894/1-A	Lab Control Sample	99	94
LCSD 880-96835/2-A	Lab Control Sample Dup	105	100
LCSD 880-96836/2-A	Lab Control Sample Dup	94	105
LCSD 880-96837/2-A	Lab Control Sample Dup	103	102
LCSD 880-96838/2-A	Lab Control Sample Dup	111	97
LCSD 880-96894/2-A	Lab Control Sample Dup	101	96
MB 880-96835/5-A	Method Blank	97	95
MB 880-96836/5-A	Method Blank	84	87
MB 880-96837/5-A	Method Blank	107	101
MB 880-96838/5-A	Method Blank	179 S1+	112
MB 880-96894/5-A	Method Blank	111	85

Surrogate Legend

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-7428-1	SW - 1	88	76										
890-7428-1 MS	SW - 1	93	73										
890-7428-1 MSD	SW - 1	96	76										
890-7428-2	SW - 2	94	80										
890-7428-3	SW - 3	93	79										
890-7428-4	SW - 4	96	85										
890-7428-5	SW - 5	93	80										
890-7428-6	SW - 6	94	81										
890-7428-7	SW - 7	89	75										
890-7428-8	SW - 8	86	74										
890-7428-9	SW - 9	88	74										
890-7428-10	SW - 10	95	80										
890-7428-11	SW - 11	87	73										
890-7428-12	SW - 12	90	76										
890-7428-13	SW - 13	86	72										
890-7428-14	SW - 14	101	84										
890-7428-15	SW - 15	91	77										
890-7428-16	SW - 16	92	77										
890-7428-17	SW - 117	90	74										
890-7428-18	SW - 18	89	74										
890-7428-19	SW - 19	84	71										
890-7428-20	SW - 20	87	72										
890-7428-21	SW - 21	76	76										
890-7428-21 MS	SW - 21	86	75										
890-7428-21 MSD	SW - 21	85	76										
890-7428-22	SW - 22	76	76										
890-7428-23	SW - 23	80	80										
890-7428-24	SW - 24	83	84										
890-7428-25	SW - 25	79	79										
890-7428-26	SW - 26	77	78										
890-7428-27	SW - 27	69 S1-	69 S1-										
890-7428-28	SW - 28	76	75										
890-7428-29	SW - 29	80	79										
890-7428-30	SW - 30	74	76										
890-7428-31	SW - 31	81	83										
890-7428-32	BH - 1 (2.0')	75	75										
890-7428-33	BH - 2 (2.0')	74	75										
890-7428-34	BH - 3 (2.0')	71	69 S1-										
890-7428-35	BH - 4 (2.0')	76	77										
890-7428-36	BH - 5 (2.0')	77	77										
890-7428-37	BH -6 (2.0')	74	77										
890-7428-38	BH - 7 (2.0')	76	77										
890-7428-39	BH - 8 (2.0')	79	81										
890-7428-40	BH - 9 (2.0')	76	76										
890-7428-41	BH - 10 (2.0')	87	71										
890-7428-41 MS	BH - 10 (2.0')	81	68 S1-										
890-7428-41 MSD	BH - 10 (2.0')	81	69 S1-										

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-7428-42	BH - 11 (2.0')	91	70										
890-7428-43	BH - 12 (2.0')	89	67 S1-										
890-7428-44	BH - 13 (2.0')	90	68 S1-										
890-7428-45	BH - 14 (2.0')	91	70										
890-7428-46	BH - 15 (2.0')	88	66 S1-										
890-7428-47	BH - 16 (2.0')	92	73										
890-7428-48	BH - 17 (2.0')	87	67 S1-										
890-7428-49	BH - 18 (2.0')	85	65 S1-										
890-7428-50	BH - 19 (2.0')	90	68 S1-										
890-7428-51	BH - 20 (2.0')	83	64 S1-										
890-7428-52	BH - 21 (4.0')	89	67 S1-										
890-7428-53	BH - 22 (4.0')	86	64 S1-										
890-7428-54	BH - 23 (4.0')	89	67 S1-										
890-7428-55	BH - 24 (4.0')	81	60 S1-										
890-7428-56	BH - 25 (4.0')	91	68 S1-										
890-7428-57	BH - 26 (4.0')	85	63 S1-										
890-7428-58	BH - 27 (4.0')	86	63 S1-										
890-7428-59	BH - 28 (4.0')	90	69 S1-										
890-7428-60	BH - 29 (4.0')	91	68 S1-										
890-7428-61	BH - 30 (2.0')	97	89										
890-7428-61 MS	BH - 30 (2.0')	97	93										
890-7428-61 MSD	BH - 30 (2.0')	96	91										
890-7428-62	BH - 31 (2.0')	104	93										
890-7428-63	BH - 32 (2.0')	101	90										
890-7428-64	BH - 33 (2.0')	96	85										
890-7428-65	BH - 34 (2.0')	103	92										
890-7428-66	BH - 35 (2.0)	99	87										
890-7428-67	BH - 36 (2.0')	93	82										
890-7428-68	BH - 37 (2.0')	91	81										
890-7428-69	BH - 38 (2.0')	96	84										
890-7428-70	BH - 39 (2.0')	91	81										
890-7428-71	BH - 40 (2.0')	92	82										
890-7428-72	BH - 41 (2.0')	96	86										
LCS 880-96848/2-A	Lab Control Sample	156 S1+	128										
LCS 880-96856/2-A	Lab Control Sample	219 S1+	202 S1+										
LCS 880-96857/2-A	Lab Control Sample	102	92										
LCS 880-96858/2-A	Lab Control Sample	119	122										
LCSD 880-96848/3-A	Lab Control Sample Dup	150 S1+	123										
LCSD 880-96856/3-A	Lab Control Sample Dup	515 S1+	492 S1+										
LCSD 880-96857/3-A	Lab Control Sample Dup	103	90										
LCSD 880-96858/3-A	Lab Control Sample Dup	109	108										
MB 880-96848/1-A	Method Blank	79	71										
MB 880-96856/1-A	Method Blank	90	94										
MB 880-96857/1-A	Method Blank	133 S1+	105										
MB 880-96858/1-A	Method Blank	151 S1+	143 S1+										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-96835/5-A
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:36	12/02/24 12:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/24 08:36	12/02/24 12:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/02/24 08:36*	*12/02/24 12:08*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*12/02/24 08:36*	*12/02/24 12:08*	*1*

Lab Sample ID: LCS 880-96835/1-A
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1083		mg/Kg		108	70 - 130
Toluene	0.100	0.1066		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1158		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	0.200	0.2290		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1280		mg/Kg		128	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-96835/2-A
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1103		mg/Kg		110	70 - 130	2	35
Toluene	0.100	0.1079		mg/Kg		108	70 - 130	1	35
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.2285		mg/Kg		114	70 - 130	0	35
o-Xylene	0.100	0.1275		mg/Kg		127	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-7428-61 MS
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1089		mg/Kg		109	70 - 130
Toluene	<0.00199	U	0.100	0.1071		mg/Kg		107	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7428-61 MS
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96835

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U	0.100	0.1136		mg/Kg		113	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2271		mg/Kg		113	70 - 130
o-Xylene	<0.00199	U	0.100	0.1255		mg/Kg		125	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-7428-61 MSD
Matrix: Solid
Analysis Batch: 96841

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96835

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1048		mg/Kg		105	70 - 130	4	35
Toluene	<0.00199	U	0.0994	0.1045		mg/Kg		105	70 - 130	2	35
Ethylbenzene	<0.00199	U	0.0994	0.1113		mg/Kg		112	70 - 130	2	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2221		mg/Kg		112	70 - 130	2	35
o-Xylene	<0.00199	U	0.0994	0.1231		mg/Kg		124	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-96836/5-A
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 12:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 12:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 12:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/24 08:40	12/02/24 12:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:40	12/02/24 12:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/24 08:40	12/02/24 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*12/02/24 08:40*	*12/02/24 12:27*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*12/02/24 08:40*	*12/02/24 12:27*	*1*

Lab Sample ID: LCS 880-96836/1-A
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1088		mg/Kg		109	70 - 130
Toluene	0.100	0.1188		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1389	*+	mg/Kg		139	70 - 130
m-Xylene & p-Xylene	0.200	0.2647	*+	mg/Kg		132	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-96836/1-A
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1288		mg/Kg		129	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-96836/2-A
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1151		mg/Kg		115	70 - 130	6	35
Toluene			0.100	0.1136		mg/Kg		114	70 - 130	5	35
Ethylbenzene			0.100	0.1176		mg/Kg		118	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.2270		mg/Kg		113	70 - 130	15	35
o-Xylene			0.100	0.1108		mg/Kg		111	70 - 130	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: 890-7428-1 MS
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96836

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.09748		mg/Kg		97	70 - 130		
Toluene	<0.00199	U	0.100	0.1007		mg/Kg		100	70 - 130		
Ethylbenzene	<0.00199	U *+	0.100	0.1119		mg/Kg		112	70 - 130		
m-Xylene & p-Xylene	<0.00398	U *+	0.200	0.2123		mg/Kg		106	70 - 130		
o-Xylene	<0.00199	U	0.100	0.1032		mg/Kg		103	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: 890-7428-1 MSD
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96836

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.09706		mg/Kg		98	70 - 130	0	35
Toluene	<0.00199	U	0.0994	0.09127		mg/Kg		92	70 - 130	10	35
Ethylbenzene	<0.00199	U *+	0.0994	0.08955		mg/Kg		90	70 - 130	22	35
m-Xylene & p-Xylene	<0.00398	U *+	0.199	0.1729		mg/Kg		87	70 - 130	20	35
o-Xylene	<0.00199	U	0.0994	0.08484		mg/Kg		85	70 - 130	20	35

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7428-1 MSD
Matrix: Solid
Analysis Batch: 96843

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96836

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-96837/5-A
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:15	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/24 08:42	12/02/24 12:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:42	12/02/24 12:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/24 08:42	12/02/24 12:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	12/02/24 08:42	12/02/24 12:15	1
1,4-Difluorobenzene (Surr)	101		70 - 130	12/02/24 08:42	12/02/24 12:15	1

Lab Sample ID: LCS 880-96837/1-A
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96837

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1168		mg/Kg		117	70 - 130		
Toluene			0.100	0.1151		mg/Kg		115	70 - 130		
Ethylbenzene			0.100	0.1142		mg/Kg		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2333		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1184		mg/Kg		118	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-96837/2-A
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1178		mg/Kg		118	70 - 130	1	35
Toluene			0.100	0.1164		mg/Kg		116	70 - 130	1	35
Ethylbenzene			0.100	0.1154		mg/Kg		115	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2352		mg/Kg		118	70 - 130	1	35
o-Xylene			0.100	0.1195		mg/Kg		120	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-96837/2-A
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96837

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-7428-21 MS
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: SW - 21
Prep Type: Total/NA
Prep Batch: 96837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1128		mg/Kg		113	70 - 130
Toluene	<0.00199	U	0.100	0.1108		mg/Kg		111	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1089		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2201		mg/Kg		110	70 - 130
o-Xylene	<0.00199	U	0.100	0.1123		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-7428-21 MSD
Matrix: Solid
Analysis Batch: 96842

Client Sample ID: SW - 21
Prep Type: Total/NA
Prep Batch: 96837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1136		mg/Kg		114	70 - 130	1	35
Toluene	<0.00199	U	0.0994	0.1108		mg/Kg		111	70 - 130	0	35
Ethylbenzene	<0.00199	U	0.0994	0.1088		mg/Kg		109	70 - 130	0	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2208		mg/Kg		111	70 - 130	0	35
o-Xylene	<0.00199	U	0.0994	0.1123		mg/Kg		113	70 - 130	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-96838/5-A
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96838

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 13:34	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 13:34	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 13:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/02/24 08:43	12/02/24 13:34	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/02/24 08:43	12/02/24 13:34	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/02/24 08:43	12/02/24 13:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*179*	*S1+*	*70 - 130*	*12/02/24 08:43*	*12/02/24 13:34*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*12/02/24 08:43*	*12/02/24 13:34*	*1*

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-96838/1-A
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96838

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09597		mg/Kg		96	70 - 130		
Toluene			0.100	0.09611		mg/Kg		96	70 - 130		
Ethylbenzene			0.100	0.1087		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene			0.200	0.2016		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09916		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-96838/2-A
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96838

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1021		mg/Kg		102	70 - 130	6	35
Toluene			0.100	0.09108		mg/Kg		91	70 - 130	5	35
Ethylbenzene			0.100	0.1139		mg/Kg		114	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2227		mg/Kg		111	70 - 130	10	35
o-Xylene			0.100	0.1060		mg/Kg		106	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-7428-41 MS
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: BH - 10 (2.0')
Prep Type: Total/NA
Prep Batch: 96838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.08962		mg/Kg		89	70 - 130		
Toluene	<0.00199	U	0.100	0.07612		mg/Kg		76	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.09160		mg/Kg		91	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1680		mg/Kg		84	70 - 130		
o-Xylene	<0.00199	U	0.100	0.08167		mg/Kg		82	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-7428-41 MSD
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: BH - 10 (2.0')
Prep Type: Total/NA
Prep Batch: 96838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.09239		mg/Kg		93	70 - 130	3	35
Toluene	<0.00199	U	0.0994	0.09103		mg/Kg		92	70 - 130	18	35
Ethylbenzene	<0.00199	U	0.0994	0.09092		mg/Kg		91	70 - 130	1	35

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7428-41 MSD
Matrix: Solid
Analysis Batch: 96844

Client Sample ID: BH - 10 (2.0')
Prep Type: Total/NA
Prep Batch: 96838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1628		mg/Kg		82	70 - 130	3	35
o-Xylene	<0.00199	U	0.0994	0.08607		mg/Kg		87	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: MB 880-96894/5-A
Matrix: Solid
Analysis Batch: 96934

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/03/24 08:00	12/03/24 11:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/03/24 08:00	12/03/24 11:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/03/24 08:00	12/03/24 11:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/03/24 08:00	12/03/24 11:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/03/24 08:00	12/03/24 11:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/03/24 08:00	12/03/24 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*12/03/24 08:00*	*12/03/24 11:51*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*12/03/24 08:00*	*12/03/24 11:51*	*1*

Lab Sample ID: LCS 880-96894/1-A
Matrix: Solid
Analysis Batch: 96934

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1045		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	0.200	0.2096		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1066		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: LCSD 880-96894/2-A
Matrix: Solid
Analysis Batch: 96934

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96894

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1109		mg/Kg		111	70 - 130	4	35
Toluene	0.100	0.1063		mg/Kg		106	70 - 130	5	35
Ethylbenzene	0.100	0.1094		mg/Kg		109	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2183		mg/Kg		109	70 - 130	4	35
o-Xylene	0.100	0.1112		mg/Kg		111	70 - 130	4	35

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 880-51647-A-1-G MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96934 — **Prep Batch: 96894**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.09973		mg/Kg		100	70 - 130
Toluene	<0.00199	U	0.100	0.09549		mg/Kg		95	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.09842		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1927		mg/Kg		96	70 - 130
o-Xylene	<0.00199	U	0.100	0.09774		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-51647-A-1-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96934 — **Prep Batch: 96894**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0994	0.1038		mg/Kg		104	70 - 130	4	35
Toluene	<0.00199	U	0.0994	0.09942		mg/Kg		100	70 - 130	4	35
Ethylbenzene	<0.00199	U	0.0994	0.1028		mg/Kg		103	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.2050		mg/Kg		103	70 - 130	6	35
o-Xylene	<0.00199	U	0.0994	0.1040		mg/Kg		105	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-96848/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 96860 — **Prep Batch: 96848**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:13	12/02/24 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:13	12/02/24 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:13	12/02/24 18:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	79		70 - 130	12/02/24 09:13	12/02/24 18:38	1
o-Terphenyl	71		70 - 130	12/02/24 09:13	12/02/24 18:38	1

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-96848/2-A
Matrix: Solid
Analysis Batch: 96860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96848

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1422	*+	mg/Kg		142	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1127		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*156*	*S1+*	*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-96848/3-A
Matrix: Solid
Analysis Batch: 96860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1356	*+	mg/Kg		136	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	1045		mg/Kg		104	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*150*	*S1+*	*70 - 130*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 890-7428-1 MS
Matrix: Solid
Analysis Batch: 96860

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	997	829.4		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	712.5		mg/Kg		71	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Lab Sample ID: 890-7428-1 MSD
Matrix: Solid
Analysis Batch: 96860

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *+	997	851.0		mg/Kg		85	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	997	745.0		mg/Kg		75	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7428-1 MSD
Matrix: Solid
Analysis Batch: 96860

Client Sample ID: SW - 1
Prep Type: Total/NA
Prep Batch: 96848

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	76		70 - 130

Lab Sample ID: MB 880-96856/1-A
Matrix: Solid
Analysis Batch: 96862

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 18:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 18:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:18	12/02/24 18:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	12/02/24 09:18	12/02/24 18:38	1
o-Terphenyl	94		70 - 130	12/02/24 09:18	12/02/24 18:38	1

Lab Sample ID: LCS 880-96856/2-A
Matrix: Solid
Analysis Batch: 96862

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96856

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1724	*+	mg/Kg		172	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1819	*+	mg/Kg		182	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	219	S1+	70 - 130
o-Terphenyl	202	S1+	70 - 130

Lab Sample ID: LCSD 880-96856/3-A
Matrix: Solid
Analysis Batch: 96862

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96856

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	3155	*+ *1	mg/Kg		315	70 - 130	59	20
Diesel Range Organics (Over C10-C28)			1000	4302	*+ *1	mg/Kg		430	70 - 130	81	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	515	S1+	70 - 130
o-Terphenyl	492	S1+	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7428-21 MS
Matrix: Solid
Analysis Batch: 96862

Client Sample ID: SW - 21
Prep Type: Total/NA
Prep Batch: 96856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	998	770.0		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	998	716.4		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 890-7428-21 MSD
Matrix: Solid
Analysis Batch: 96862

Client Sample ID: SW - 21
Prep Type: Total/NA
Prep Batch: 96856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *+ *1	998	760.0		mg/Kg		76	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ *1	998	729.3		mg/Kg		73	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

Lab Sample ID: MB 880-96857/1-A
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96857

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 07:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:21	12/03/24 07:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*12/02/24 09:21*	*12/03/24 07:21*	*1*
o-Terphenyl	*105*		*70 - 130*	*12/02/24 09:21*	*12/03/24 07:21*	*1*

Lab Sample ID: LCS 880-96857/2-A
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96857

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1079		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	907.3		mg/Kg		91	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-96857/2-A
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96857

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-96857/3-A
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96857

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1112		mg/Kg		111	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	903.0		mg/Kg		90	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 890-7428-41 MS
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: BH - 10 (2.0')
Prep Type: Total/NA
Prep Batch: 96857

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	836.7		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1	995	671.9	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	68	S1-	70 - 130

Lab Sample ID: 890-7428-41 MSD
Matrix: Solid
Analysis Batch: 96956

Client Sample ID: BH - 10 (2.0')
Prep Type: Total/NA
Prep Batch: 96857

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	995	836.0		mg/Kg		84	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1	995	670.4	F1	mg/Kg		67	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	69	S1-	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-96858/1-A
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 07:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 07:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		12/02/24 09:23	12/03/24 07:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*12/02/24 09:23*	*12/03/24 07:21*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*12/02/24 09:23*	*12/03/24 07:21*	*1*

Lab Sample ID: LCS 880-96858/2-A
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1154		mg/Kg		115	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1118		mg/Kg		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*119*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: LCSD 880-96858/3-A
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96858

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1105		mg/Kg		110	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1010		mg/Kg		101	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: 890-7428-61 MS
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96858

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	899.4		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	825.4		mg/Kg		83	70 - 130

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-7428-61 MS
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96858

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-7428-61 MSD
Matrix: Solid
Analysis Batch: 96959

Client Sample ID: BH - 30 (2.0')
Prep Type: Total/NA
Prep Batch: 96858

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	878.1		mg/Kg		88	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	851.0		mg/Kg		85	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	91		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96899/1-A
Matrix: Solid
Analysis Batch: 96958

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/06/24 03:32	1

Lab Sample ID: LCS 880-96899/2-A
Matrix: Solid
Analysis Batch: 96958

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-96899/3-A
Matrix: Solid
Analysis Batch: 96958

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	270.6		mg/Kg		108	90 - 110	7	20

Lab Sample ID: 890-7428-9 MS
Matrix: Solid
Analysis Batch: 96958

Client Sample ID: SW - 9
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	701	F1	250	1028	F1	mg/Kg		131	90 - 110

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-7428-9 MSD — **Client Sample ID: SW - 9**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	701	F1	250	991.6	F1	mg/Kg		116	90 - 110	4	20

Lab Sample ID: MB 880-96900/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/04/24 00:35	1

Lab Sample ID: LCS 880-96900/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	266.5		mg/Kg		107	90 - 110

Lab Sample ID: LCSD 880-96900/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	267.1		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-7428-19 MS — **Client Sample ID: SW - 19**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	84.1	F1	249	371.0	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-7428-19 MSD — **Client Sample ID: SW - 19**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	84.1	F1	249	371.8	F1	mg/Kg		116	90 - 110	0	20

Lab Sample ID: 890-7428-29 MS — **Client Sample ID: SW - 29**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	72.2	F1	251	397.7	F1	mg/Kg		130	90 - 110

Lab Sample ID: 890-7428-29 MSD — **Client Sample ID: SW - 29**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 96961

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	72.2	F1	251	399.5	F1	mg/Kg		130	90 - 110	0	20

QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-96901/1-A
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/04/24 05:20	1

Lab Sample ID: LCS 880-96901/2-A
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	273.3		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-96901/3-A
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	273.2		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 890-7428-39 MS
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: BH - 8 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	149	F1	252	436.5	F1	mg/Kg		114	90 - 110		

Lab Sample ID: 890-7428-39 MSD
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: BH - 8 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	149	F1	252	437.5	F1	mg/Kg		115	90 - 110	0	20

Lab Sample ID: 890-7428-49 MS
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: BH - 18 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	133	F1	252	442.7	F1	mg/Kg		123	90 - 110		

Lab Sample ID: 890-7428-49 MSD
Matrix: Solid
Analysis Batch: 96962

Client Sample ID: BH - 18 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	133	F1	252	443.1	F1	mg/Kg		123	90 - 110	0	20

Lab Sample ID: MB 880-96902/1-A
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/06/24 07:33	1

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-96902/2-A
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	259.8		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-96902/3-A
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	247.2		mg/Kg		99	90 - 110	5	20

Lab Sample ID: 890-7428-59 MS
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: BH - 28 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	372	F1	252	674.2	F1	mg/Kg		120	90 - 110		

Lab Sample ID: 890-7428-59 MSD
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: BH - 28 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	372	F1	252	633.6		mg/Kg		104	90 - 110	6	20

Lab Sample ID: 890-7428-69 MS
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: BH - 38 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	69.0	F1	252	404.2	F1	mg/Kg		133	90 - 110		

Lab Sample ID: 890-7428-69 MSD
Matrix: Solid
Analysis Batch: 96975

Client Sample ID: BH - 38 (2.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	69.0	F1	252	385.8	F1	mg/Kg		126	90 - 110	5	20

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA

Prep Batch: 96835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	5035	
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	5035	
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	5035	
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	5035	
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	5035	
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	5035	
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	5035	
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	5035	
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	5035	
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	5035	
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	5035	
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	5035	
MB 880-96835/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96835/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96835/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7428-61 MS	BH - 30 (2.0')	Total/NA	Solid	5035	
890-7428-61 MSD	BH - 30 (2.0')	Total/NA	Solid	5035	

Prep Batch: 96836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	5035	
890-7428-2	SW - 2	Total/NA	Solid	5035	
890-7428-3	SW - 3	Total/NA	Solid	5035	
890-7428-4	SW - 4	Total/NA	Solid	5035	
890-7428-5	SW - 5	Total/NA	Solid	5035	
890-7428-6	SW - 6	Total/NA	Solid	5035	
890-7428-7	SW - 7	Total/NA	Solid	5035	
890-7428-8	SW - 8	Total/NA	Solid	5035	
890-7428-9	SW - 9	Total/NA	Solid	5035	
890-7428-10	SW - 10	Total/NA	Solid	5035	
890-7428-11	SW - 11	Total/NA	Solid	5035	
890-7428-12	SW - 12	Total/NA	Solid	5035	
890-7428-13	SW - 13	Total/NA	Solid	5035	
890-7428-14	SW - 14	Total/NA	Solid	5035	
890-7428-15	SW - 15	Total/NA	Solid	5035	
890-7428-16	SW - 16	Total/NA	Solid	5035	
890-7428-17	SW - 117	Total/NA	Solid	5035	
890-7428-18	SW - 18	Total/NA	Solid	5035	
890-7428-19	SW - 19	Total/NA	Solid	5035	
890-7428-20	SW - 20	Total/NA	Solid	5035	
MB 880-96836/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96836/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96836/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7428-1 MS	SW - 1	Total/NA	Solid	5035	
890-7428-1 MSD	SW - 1	Total/NA	Solid	5035	

Prep Batch: 96837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-21	SW - 21	Total/NA	Solid	5035	
890-7428-22	SW - 22	Total/NA	Solid	5035	
890-7428-23	SW - 23	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA (Continued)

Prep Batch: 96837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-24	SW - 24	Total/NA	Solid	5035	
890-7428-25	SW - 25	Total/NA	Solid	5035	
890-7428-26	SW - 26	Total/NA	Solid	5035	
890-7428-27	SW - 27	Total/NA	Solid	5035	
890-7428-28	SW - 28	Total/NA	Solid	5035	
890-7428-29	SW - 29	Total/NA	Solid	5035	
890-7428-30	SW - 30	Total/NA	Solid	5035	
890-7428-31	SW - 31	Total/NA	Solid	5035	
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	5035	
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	5035	
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	5035	
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	5035	
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	5035	
890-7428-37	BH -6 (2.0')	Total/NA	Solid	5035	
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	5035	
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	5035	
MB 880-96837/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96837/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96837/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7428-21 MS	SW - 21	Total/NA	Solid	5035	
890-7428-21 MSD	SW - 21	Total/NA	Solid	5035	

Prep Batch: 96838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	5035	
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	5035	
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	5035	
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	5035	
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	5035	
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	5035	
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	5035	
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	5035	
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	5035	
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	5035	
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	5035	
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	5035	
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	5035	
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	5035	
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	5035	
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	5035	
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	5035	
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	5035	
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	5035	
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	5035	
MB 880-96838/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96838/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96838/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7428-41 MS	BH - 10 (2.0')	Total/NA	Solid	5035	
890-7428-41 MSD	BH - 10 (2.0')	Total/NA	Solid	5035	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA

Analysis Batch: 96841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	8021B	96835
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	8021B	96835
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	8021B	96835
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	8021B	96835
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	8021B	96835
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	8021B	96835
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	8021B	96835
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	8021B	96835
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	8021B	96835
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	8021B	96835
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	8021B	96835
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	8021B	96835
MB 880-96835/5-A	Method Blank	Total/NA	Solid	8021B	96835
LCS 880-96835/1-A	Lab Control Sample	Total/NA	Solid	8021B	96835
LCSD 880-96835/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96835
890-7428-61 MS	BH - 30 (2.0')	Total/NA	Solid	8021B	96835
890-7428-61 MSD	BH - 30 (2.0')	Total/NA	Solid	8021B	96835

Analysis Batch: 96842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-21	SW - 21	Total/NA	Solid	8021B	96837
890-7428-22	SW - 22	Total/NA	Solid	8021B	96837
890-7428-23	SW - 23	Total/NA	Solid	8021B	96837
890-7428-24	SW - 24	Total/NA	Solid	8021B	96837
890-7428-25	SW - 25	Total/NA	Solid	8021B	96837
890-7428-26	SW - 26	Total/NA	Solid	8021B	96837
890-7428-27	SW - 27	Total/NA	Solid	8021B	96837
890-7428-28	SW - 28	Total/NA	Solid	8021B	96837
890-7428-29	SW - 29	Total/NA	Solid	8021B	96837
890-7428-30	SW - 30	Total/NA	Solid	8021B	96837
890-7428-31	SW - 31	Total/NA	Solid	8021B	96837
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	8021B	96837
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	8021B	96837
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	8021B	96837
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	8021B	96837
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	8021B	96837
890-7428-37	BH -6 (2.0')	Total/NA	Solid	8021B	96837
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	8021B	96837
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	8021B	96837
MB 880-96837/5-A	Method Blank	Total/NA	Solid	8021B	96837
LCS 880-96837/1-A	Lab Control Sample	Total/NA	Solid	8021B	96837
LCSD 880-96837/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96837
890-7428-21 MS	SW - 21	Total/NA	Solid	8021B	96837
890-7428-21 MSD	SW - 21	Total/NA	Solid	8021B	96837

Analysis Batch: 96843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	8021B	96836
890-7428-2	SW - 2	Total/NA	Solid	8021B	96836
890-7428-3	SW - 3	Total/NA	Solid	8021B	96836
890-7428-4	SW - 4	Total/NA	Solid	8021B	96836

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 96843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-5	SW - 5	Total/NA	Solid	8021B	96836
890-7428-6	SW - 6	Total/NA	Solid	8021B	96836
890-7428-7	SW - 7	Total/NA	Solid	8021B	96836
890-7428-8	SW - 8	Total/NA	Solid	8021B	96836
890-7428-9	SW - 9	Total/NA	Solid	8021B	96836
890-7428-10	SW - 10	Total/NA	Solid	8021B	96836
890-7428-11	SW - 11	Total/NA	Solid	8021B	96836
890-7428-12	SW - 12	Total/NA	Solid	8021B	96836
890-7428-13	SW - 13	Total/NA	Solid	8021B	96836
890-7428-14	SW - 14	Total/NA	Solid	8021B	96836
890-7428-15	SW - 15	Total/NA	Solid	8021B	96836
890-7428-16	SW - 16	Total/NA	Solid	8021B	96836
890-7428-17	SW - 117	Total/NA	Solid	8021B	96836
890-7428-18	SW - 18	Total/NA	Solid	8021B	96836
890-7428-19	SW - 19	Total/NA	Solid	8021B	96836
890-7428-20	SW - 20	Total/NA	Solid	8021B	96836
MB 880-96836/5-A	Method Blank	Total/NA	Solid	8021B	96836
LCS 880-96836/1-A	Lab Control Sample	Total/NA	Solid	8021B	96836
LCSD 880-96836/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96836
890-7428-1 MS	SW - 1	Total/NA	Solid	8021B	96836
890-7428-1 MSD	SW - 1	Total/NA	Solid	8021B	96836

Analysis Batch: 96844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	8021B	96838
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	8021B	96838
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	8021B	96838
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	8021B	96838
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	8021B	96838
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	8021B	96838
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	8021B	96838
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	8021B	96838
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	8021B	96838
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	8021B	96838
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	8021B	96838
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	8021B	96838
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	8021B	96838
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	8021B	96838
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	8021B	96838
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	8021B	96838
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	8021B	96838
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	8021B	96838
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	8021B	96838
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	8021B	96838
MB 880-96838/5-A	Method Blank	Total/NA	Solid	8021B	96838
LCS 880-96838/1-A	Lab Control Sample	Total/NA	Solid	8021B	96838
LCSD 880-96838/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96838
890-7428-41 MS	BH - 10 (2.0')	Total/NA	Solid	8021B	96838
890-7428-41 MSD	BH - 10 (2.0')	Total/NA	Solid	8021B	96838

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA

Prep Batch: 96894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	5035	
MB 880-96894/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-96894/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-96894/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-51647-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
880-51647-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 96934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	8021B	96894
MB 880-96894/5-A	Method Blank	Total/NA	Solid	8021B	96894
LCS 880-96894/1-A	Lab Control Sample	Total/NA	Solid	8021B	96894
LCSD 880-96894/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	96894
880-51647-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	96894
880-51647-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	96894

Analysis Batch: 96976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	Total BTEX	
890-7428-2	SW - 2	Total/NA	Solid	Total BTEX	
890-7428-3	SW - 3	Total/NA	Solid	Total BTEX	
890-7428-4	SW - 4	Total/NA	Solid	Total BTEX	
890-7428-5	SW - 5	Total/NA	Solid	Total BTEX	
890-7428-6	SW - 6	Total/NA	Solid	Total BTEX	
890-7428-7	SW - 7	Total/NA	Solid	Total BTEX	
890-7428-8	SW - 8	Total/NA	Solid	Total BTEX	
890-7428-9	SW - 9	Total/NA	Solid	Total BTEX	
890-7428-10	SW - 10	Total/NA	Solid	Total BTEX	
890-7428-11	SW - 11	Total/NA	Solid	Total BTEX	
890-7428-12	SW - 12	Total/NA	Solid	Total BTEX	
890-7428-13	SW - 13	Total/NA	Solid	Total BTEX	
890-7428-14	SW - 14	Total/NA	Solid	Total BTEX	
890-7428-15	SW - 15	Total/NA	Solid	Total BTEX	
890-7428-16	SW - 16	Total/NA	Solid	Total BTEX	
890-7428-17	SW - 117	Total/NA	Solid	Total BTEX	
890-7428-18	SW - 18	Total/NA	Solid	Total BTEX	
890-7428-19	SW - 19	Total/NA	Solid	Total BTEX	
890-7428-20	SW - 20	Total/NA	Solid	Total BTEX	
890-7428-21	SW - 21	Total/NA	Solid	Total BTEX	
890-7428-22	SW - 22	Total/NA	Solid	Total BTEX	
890-7428-23	SW - 23	Total/NA	Solid	Total BTEX	
890-7428-24	SW - 24	Total/NA	Solid	Total BTEX	
890-7428-25	SW - 25	Total/NA	Solid	Total BTEX	
890-7428-26	SW - 26	Total/NA	Solid	Total BTEX	
890-7428-27	SW - 27	Total/NA	Solid	Total BTEX	
890-7428-28	SW - 28	Total/NA	Solid	Total BTEX	
890-7428-29	SW - 29	Total/NA	Solid	Total BTEX	
890-7428-30	SW - 30	Total/NA	Solid	Total BTEX	
890-7428-31	SW - 31	Total/NA	Solid	Total BTEX	
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC VOA (Continued)

Analysis Batch: 96976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-37	BH -6 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	Total BTEX	
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	Total BTEX	
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	Total BTEX	
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 96848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	8015NM Prep	
890-7428-2	SW - 2	Total/NA	Solid	8015NM Prep	
890-7428-3	SW - 3	Total/NA	Solid	8015NM Prep	
890-7428-4	SW - 4	Total/NA	Solid	8015NM Prep	
890-7428-5	SW - 5	Total/NA	Solid	8015NM Prep	
890-7428-6	SW - 6	Total/NA	Solid	8015NM Prep	
890-7428-7	SW - 7	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 96848 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-8	SW - 8	Total/NA	Solid	8015NM Prep	
890-7428-9	SW - 9	Total/NA	Solid	8015NM Prep	
890-7428-10	SW - 10	Total/NA	Solid	8015NM Prep	
890-7428-11	SW - 11	Total/NA	Solid	8015NM Prep	
890-7428-12	SW - 12	Total/NA	Solid	8015NM Prep	
890-7428-13	SW - 13	Total/NA	Solid	8015NM Prep	
890-7428-14	SW - 14	Total/NA	Solid	8015NM Prep	
890-7428-15	SW - 15	Total/NA	Solid	8015NM Prep	
890-7428-16	SW - 16	Total/NA	Solid	8015NM Prep	
890-7428-17	SW - 117	Total/NA	Solid	8015NM Prep	
890-7428-18	SW - 18	Total/NA	Solid	8015NM Prep	
890-7428-19	SW - 19	Total/NA	Solid	8015NM Prep	
890-7428-20	SW - 20	Total/NA	Solid	8015NM Prep	
MB 880-96848/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96848/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7428-1 MS	SW - 1	Total/NA	Solid	8015NM Prep	
890-7428-1 MSD	SW - 1	Total/NA	Solid	8015NM Prep	

Prep Batch: 96856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-21	SW - 21	Total/NA	Solid	8015NM Prep	
890-7428-22	SW - 22	Total/NA	Solid	8015NM Prep	
890-7428-23	SW - 23	Total/NA	Solid	8015NM Prep	
890-7428-24	SW - 24	Total/NA	Solid	8015NM Prep	
890-7428-25	SW - 25	Total/NA	Solid	8015NM Prep	
890-7428-26	SW - 26	Total/NA	Solid	8015NM Prep	
890-7428-27	SW - 27	Total/NA	Solid	8015NM Prep	
890-7428-28	SW - 28	Total/NA	Solid	8015NM Prep	
890-7428-29	SW - 29	Total/NA	Solid	8015NM Prep	
890-7428-30	SW - 30	Total/NA	Solid	8015NM Prep	
890-7428-31	SW - 31	Total/NA	Solid	8015NM Prep	
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-37	BH -6 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-96856/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96856/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96856/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7428-21 MS	SW - 21	Total/NA	Solid	8015NM Prep	
890-7428-21 MSD	SW - 21	Total/NA	Solid	8015NM Prep	

Prep Batch: 96857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA (Continued)

Prep Batch: 96857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	8015NM Prep	
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	8015NM Prep	
MB 880-96857/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96857/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96857/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7428-41 MS	BH - 10 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-41 MSD	BH - 10 (2.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 96858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	8015NM Prep	
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	8015NM Prep	
MB 880-96858/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-96858/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-96858/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7428-61 MS	BH - 30 (2.0')	Total/NA	Solid	8015NM Prep	
890-7428-61 MSD	BH - 30 (2.0')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 96860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	8015B NM	96848
890-7428-2	SW - 2	Total/NA	Solid	8015B NM	96848
890-7428-3	SW - 3	Total/NA	Solid	8015B NM	96848
890-7428-4	SW - 4	Total/NA	Solid	8015B NM	96848
890-7428-5	SW - 5	Total/NA	Solid	8015B NM	96848

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 96860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-6	SW - 6	Total/NA	Solid	8015B NM	96848
890-7428-7	SW - 7	Total/NA	Solid	8015B NM	96848
890-7428-8	SW - 8	Total/NA	Solid	8015B NM	96848
890-7428-9	SW - 9	Total/NA	Solid	8015B NM	96848
890-7428-10	SW - 10	Total/NA	Solid	8015B NM	96848
890-7428-11	SW - 11	Total/NA	Solid	8015B NM	96848
890-7428-12	SW - 12	Total/NA	Solid	8015B NM	96848
890-7428-13	SW - 13	Total/NA	Solid	8015B NM	96848
890-7428-14	SW - 14	Total/NA	Solid	8015B NM	96848
890-7428-15	SW - 15	Total/NA	Solid	8015B NM	96848
890-7428-16	SW - 16	Total/NA	Solid	8015B NM	96848
890-7428-17	SW - 117	Total/NA	Solid	8015B NM	96848
890-7428-18	SW - 18	Total/NA	Solid	8015B NM	96848
890-7428-19	SW - 19	Total/NA	Solid	8015B NM	96848
890-7428-20	SW - 20	Total/NA	Solid	8015B NM	96848
MB 880-96848/1-A	Method Blank	Total/NA	Solid	8015B NM	96848
LCS 880-96848/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96848
LCSD 880-96848/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96848
890-7428-1 MS	SW - 1	Total/NA	Solid	8015B NM	96848
890-7428-1 MSD	SW - 1	Total/NA	Solid	8015B NM	96848

Analysis Batch: 96862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-21	SW - 21	Total/NA	Solid	8015B NM	96856
890-7428-22	SW - 22	Total/NA	Solid	8015B NM	96856
890-7428-23	SW - 23	Total/NA	Solid	8015B NM	96856
890-7428-24	SW - 24	Total/NA	Solid	8015B NM	96856
890-7428-25	SW - 25	Total/NA	Solid	8015B NM	96856
890-7428-26	SW - 26	Total/NA	Solid	8015B NM	96856
890-7428-27	SW - 27	Total/NA	Solid	8015B NM	96856
890-7428-28	SW - 28	Total/NA	Solid	8015B NM	96856
890-7428-29	SW - 29	Total/NA	Solid	8015B NM	96856
890-7428-30	SW - 30	Total/NA	Solid	8015B NM	96856
890-7428-31	SW - 31	Total/NA	Solid	8015B NM	96856
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-37	BH -6 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	8015B NM	96856
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	8015B NM	96856
MB 880-96856/1-A	Method Blank	Total/NA	Solid	8015B NM	96856
LCS 880-96856/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96856
LCSD 880-96856/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96856
890-7428-21 MS	SW - 21	Total/NA	Solid	8015B NM	96856
890-7428-21 MSD	SW - 21	Total/NA	Solid	8015B NM	96856

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA

Analysis Batch: 96956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	8015B NM	96857
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	8015B NM	96857
MB 880-96857/1-A	Method Blank	Total/NA	Solid	8015B NM	96857
LCS 880-96857/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96857
LCSD 880-96857/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96857
890-7428-41 MS	BH - 10 (2.0')	Total/NA	Solid	8015B NM	96857
890-7428-41 MSD	BH - 10 (2.0')	Total/NA	Solid	8015B NM	96857

Analysis Batch: 96959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	8015B NM	96858
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	8015B NM	96858
MB 880-96858/1-A	Method Blank	Total/NA	Solid	8015B NM	96858
LCS 880-96858/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	96858
LCSD 880-96858/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	96858
890-7428-61 MS	BH - 30 (2.0')	Total/NA	Solid	8015B NM	96858
890-7428-61 MSD	BH - 30 (2.0')	Total/NA	Solid	8015B NM	96858

Analysis Batch: 96984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Total/NA	Solid	8015 NM	
890-7428-2	SW - 2	Total/NA	Solid	8015 NM	
890-7428-3	SW - 3	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 96984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-4	SW - 4	Total/NA	Solid	8015 NM	
890-7428-5	SW - 5	Total/NA	Solid	8015 NM	
890-7428-6	SW - 6	Total/NA	Solid	8015 NM	
890-7428-7	SW - 7	Total/NA	Solid	8015 NM	
890-7428-8	SW - 8	Total/NA	Solid	8015 NM	
890-7428-9	SW - 9	Total/NA	Solid	8015 NM	
890-7428-10	SW - 10	Total/NA	Solid	8015 NM	
890-7428-11	SW - 11	Total/NA	Solid	8015 NM	
890-7428-12	SW - 12	Total/NA	Solid	8015 NM	
890-7428-13	SW - 13	Total/NA	Solid	8015 NM	
890-7428-14	SW - 14	Total/NA	Solid	8015 NM	
890-7428-15	SW - 15	Total/NA	Solid	8015 NM	
890-7428-16	SW - 16	Total/NA	Solid	8015 NM	
890-7428-17	SW - 117	Total/NA	Solid	8015 NM	
890-7428-18	SW - 18	Total/NA	Solid	8015 NM	
890-7428-19	SW - 19	Total/NA	Solid	8015 NM	
890-7428-20	SW - 20	Total/NA	Solid	8015 NM	
890-7428-21	SW - 21	Total/NA	Solid	8015 NM	
890-7428-22	SW - 22	Total/NA	Solid	8015 NM	
890-7428-23	SW - 23	Total/NA	Solid	8015 NM	
890-7428-24	SW - 24	Total/NA	Solid	8015 NM	
890-7428-25	SW - 25	Total/NA	Solid	8015 NM	
890-7428-26	SW - 26	Total/NA	Solid	8015 NM	
890-7428-27	SW - 27	Total/NA	Solid	8015 NM	
890-7428-28	SW - 28	Total/NA	Solid	8015 NM	
890-7428-29	SW - 29	Total/NA	Solid	8015 NM	
890-7428-30	SW - 30	Total/NA	Solid	8015 NM	
890-7428-31	SW - 31	Total/NA	Solid	8015 NM	
890-7428-32	BH - 1 (2.0')	Total/NA	Solid	8015 NM	
890-7428-33	BH - 2 (2.0')	Total/NA	Solid	8015 NM	
890-7428-34	BH - 3 (2.0')	Total/NA	Solid	8015 NM	
890-7428-35	BH - 4 (2.0')	Total/NA	Solid	8015 NM	
890-7428-36	BH - 5 (2.0')	Total/NA	Solid	8015 NM	
890-7428-37	BH -6 (2.0')	Total/NA	Solid	8015 NM	
890-7428-38	BH - 7 (2.0')	Total/NA	Solid	8015 NM	
890-7428-39	BH - 8 (2.0')	Total/NA	Solid	8015 NM	
890-7428-40	BH - 9 (2.0')	Total/NA	Solid	8015 NM	
890-7428-41	BH - 10 (2.0')	Total/NA	Solid	8015 NM	
890-7428-42	BH - 11 (2.0')	Total/NA	Solid	8015 NM	
890-7428-43	BH - 12 (2.0')	Total/NA	Solid	8015 NM	
890-7428-44	BH - 13 (2.0')	Total/NA	Solid	8015 NM	
890-7428-45	BH - 14 (2.0')	Total/NA	Solid	8015 NM	
890-7428-46	BH - 15 (2.0')	Total/NA	Solid	8015 NM	
890-7428-47	BH - 16 (2.0')	Total/NA	Solid	8015 NM	
890-7428-48	BH - 17 (2.0')	Total/NA	Solid	8015 NM	
890-7428-49	BH - 18 (2.0')	Total/NA	Solid	8015 NM	
890-7428-50	BH - 19 (2.0')	Total/NA	Solid	8015 NM	
890-7428-51	BH - 20 (2.0')	Total/NA	Solid	8015 NM	
890-7428-52	BH - 21 (4.0')	Total/NA	Solid	8015 NM	
890-7428-53	BH - 22 (4.0')	Total/NA	Solid	8015 NM	
890-7428-54	BH - 23 (4.0')	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 96984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-55	BH - 24 (4.0')	Total/NA	Solid	8015 NM	
890-7428-56	BH - 25 (4.0')	Total/NA	Solid	8015 NM	
890-7428-57	BH - 26 (4.0')	Total/NA	Solid	8015 NM	
890-7428-58	BH - 27 (4.0')	Total/NA	Solid	8015 NM	
890-7428-59	BH - 28 (4.0')	Total/NA	Solid	8015 NM	
890-7428-60	BH - 29 (4.0')	Total/NA	Solid	8015 NM	
890-7428-61	BH - 30 (2.0')	Total/NA	Solid	8015 NM	
890-7428-62	BH - 31 (2.0')	Total/NA	Solid	8015 NM	
890-7428-63	BH - 32 (2.0')	Total/NA	Solid	8015 NM	
890-7428-64	BH - 33 (2.0')	Total/NA	Solid	8015 NM	
890-7428-65	BH - 34 (2.0')	Total/NA	Solid	8015 NM	
890-7428-66	BH - 35 (2.0)	Total/NA	Solid	8015 NM	
890-7428-67	BH - 36 (2.0')	Total/NA	Solid	8015 NM	
890-7428-68	BH - 37 (2.0')	Total/NA	Solid	8015 NM	
890-7428-69	BH - 38 (2.0')	Total/NA	Solid	8015 NM	
890-7428-70	BH - 39 (2.0')	Total/NA	Solid	8015 NM	
890-7428-71	BH - 40 (2.0')	Total/NA	Solid	8015 NM	
890-7428-72	BH - 41 (2.0')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 96899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Soluble	Solid	DI Leach	
890-7428-2	SW - 2	Soluble	Solid	DI Leach	
890-7428-3	SW - 3	Soluble	Solid	DI Leach	
890-7428-4	SW - 4	Soluble	Solid	DI Leach	
890-7428-5	SW - 5	Soluble	Solid	DI Leach	
890-7428-6	SW - 6	Soluble	Solid	DI Leach	
890-7428-7	SW - 7	Soluble	Solid	DI Leach	
890-7428-8	SW - 8	Soluble	Solid	DI Leach	
890-7428-9	SW - 9	Soluble	Solid	DI Leach	
890-7428-10	SW - 10	Soluble	Solid	DI Leach	
890-7428-11	SW - 11	Soluble	Solid	DI Leach	
890-7428-12	SW - 12	Soluble	Solid	DI Leach	
890-7428-13	SW - 13	Soluble	Solid	DI Leach	
890-7428-14	SW - 14	Soluble	Solid	DI Leach	
890-7428-15	SW - 15	Soluble	Solid	DI Leach	
890-7428-16	SW - 16	Soluble	Solid	DI Leach	
890-7428-17	SW - 117	Soluble	Solid	DI Leach	
890-7428-18	SW - 18	Soluble	Solid	DI Leach	
MB 880-96899/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96899/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96899/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7428-9 MS	SW - 9	Soluble	Solid	DI Leach	
890-7428-9 MSD	SW - 9	Soluble	Solid	DI Leach	

Leach Batch: 96900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-19	SW - 19	Soluble	Solid	DI Leach	
890-7428-20	SW - 20	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 96900 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-21	SW - 21	Soluble	Solid	DI Leach	
890-7428-22	SW - 22	Soluble	Solid	DI Leach	
890-7428-23	SW - 23	Soluble	Solid	DI Leach	
890-7428-24	SW - 24	Soluble	Solid	DI Leach	
890-7428-25	SW - 25	Soluble	Solid	DI Leach	
890-7428-26	SW - 26	Soluble	Solid	DI Leach	
890-7428-27	SW - 27	Soluble	Solid	DI Leach	
890-7428-28	SW - 28	Soluble	Solid	DI Leach	
890-7428-29	SW - 29	Soluble	Solid	DI Leach	
890-7428-30	SW - 30	Soluble	Solid	DI Leach	
890-7428-31	SW - 31	Soluble	Solid	DI Leach	
890-7428-32	BH - 1 (2.0')	Soluble	Solid	DI Leach	
890-7428-33	BH - 2 (2.0')	Soluble	Solid	DI Leach	
890-7428-34	BH - 3 (2.0')	Soluble	Solid	DI Leach	
890-7428-35	BH - 4 (2.0')	Soluble	Solid	DI Leach	
890-7428-36	BH - 5 (2.0')	Soluble	Solid	DI Leach	
890-7428-37	BH -6 (2.0')	Soluble	Solid	DI Leach	
890-7428-38	BH - 7 (2.0')	Soluble	Solid	DI Leach	
MB 880-96900/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96900/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96900/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7428-19 MS	SW - 19	Soluble	Solid	DI Leach	
890-7428-19 MSD	SW - 19	Soluble	Solid	DI Leach	
890-7428-29 MS	SW - 29	Soluble	Solid	DI Leach	
890-7428-29 MSD	SW - 29	Soluble	Solid	DI Leach	

Leach Batch: 96901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-39	BH - 8 (2.0')	Soluble	Solid	DI Leach	
890-7428-40	BH - 9 (2.0')	Soluble	Solid	DI Leach	
890-7428-41	BH - 10 (2.0')	Soluble	Solid	DI Leach	
890-7428-42	BH - 11 (2.0')	Soluble	Solid	DI Leach	
890-7428-43	BH - 12 (2.0')	Soluble	Solid	DI Leach	
890-7428-44	BH - 13 (2.0')	Soluble	Solid	DI Leach	
890-7428-45	BH - 14 (2.0')	Soluble	Solid	DI Leach	
890-7428-46	BH - 15 (2.0')	Soluble	Solid	DI Leach	
890-7428-47	BH - 16 (2.0')	Soluble	Solid	DI Leach	
890-7428-48	BH - 17 (2.0')	Soluble	Solid	DI Leach	
890-7428-49	BH - 18 (2.0')	Soluble	Solid	DI Leach	
890-7428-50	BH - 19 (2.0')	Soluble	Solid	DI Leach	
890-7428-51	BH - 20 (2.0')	Soluble	Solid	DI Leach	
890-7428-52	BH - 21 (4.0')	Soluble	Solid	DI Leach	
890-7428-53	BH - 22 (4.0')	Soluble	Solid	DI Leach	
890-7428-54	BH - 23 (4.0')	Soluble	Solid	DI Leach	
890-7428-55	BH - 24 (4.0')	Soluble	Solid	DI Leach	
890-7428-56	BH - 25 (4.0')	Soluble	Solid	DI Leach	
890-7428-57	BH - 26 (4.0')	Soluble	Solid	DI Leach	
890-7428-58	BH - 27 (4.0')	Soluble	Solid	DI Leach	
MB 880-96901/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96901/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96901/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

HPLC/IC (Continued)

Leach Batch: 96901 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-39 MS	BH - 8 (2.0')	Soluble	Solid	DI Leach	
890-7428-39 MSD	BH - 8 (2.0')	Soluble	Solid	DI Leach	
890-7428-49 MS	BH - 18 (2.0')	Soluble	Solid	DI Leach	
890-7428-49 MSD	BH - 18 (2.0')	Soluble	Solid	DI Leach	

Leach Batch: 96902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-59	BH - 28 (4.0')	Soluble	Solid	DI Leach	
890-7428-60	BH - 29 (4.0')	Soluble	Solid	DI Leach	
890-7428-61	BH - 30 (2.0')	Soluble	Solid	DI Leach	
890-7428-62	BH - 31 (2.0')	Soluble	Solid	DI Leach	
890-7428-63	BH - 32 (2.0')	Soluble	Solid	DI Leach	
890-7428-64	BH - 33 (2.0')	Soluble	Solid	DI Leach	
890-7428-65	BH - 34 (2.0')	Soluble	Solid	DI Leach	
890-7428-66	BH - 35 (2.0)	Soluble	Solid	DI Leach	
890-7428-67	BH - 36 (2.0')	Soluble	Solid	DI Leach	
890-7428-68	BH - 37 (2.0')	Soluble	Solid	DI Leach	
890-7428-69	BH - 38 (2.0')	Soluble	Solid	DI Leach	
890-7428-70	BH - 39 (2.0')	Soluble	Solid	DI Leach	
890-7428-71	BH - 40 (2.0')	Soluble	Solid	DI Leach	
890-7428-72	BH - 41 (2.0')	Soluble	Solid	DI Leach	
MB 880-96902/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-96902/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-96902/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7428-59 MS	BH - 28 (4.0')	Soluble	Solid	DI Leach	
890-7428-59 MSD	BH - 28 (4.0')	Soluble	Solid	DI Leach	
890-7428-69 MS	BH - 38 (2.0')	Soluble	Solid	DI Leach	
890-7428-69 MSD	BH - 38 (2.0')	Soluble	Solid	DI Leach	

Analysis Batch: 96958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-1	SW - 1	Soluble	Solid	300.0	96899
890-7428-2	SW - 2	Soluble	Solid	300.0	96899
890-7428-3	SW - 3	Soluble	Solid	300.0	96899
890-7428-4	SW - 4	Soluble	Solid	300.0	96899
890-7428-5	SW - 5	Soluble	Solid	300.0	96899
890-7428-6	SW - 6	Soluble	Solid	300.0	96899
890-7428-7	SW - 7	Soluble	Solid	300.0	96899
890-7428-8	SW - 8	Soluble	Solid	300.0	96899
890-7428-9	SW - 9	Soluble	Solid	300.0	96899
890-7428-10	SW - 10	Soluble	Solid	300.0	96899
890-7428-11	SW - 11	Soluble	Solid	300.0	96899
890-7428-12	SW - 12	Soluble	Solid	300.0	96899
890-7428-13	SW - 13	Soluble	Solid	300.0	96899
890-7428-14	SW - 14	Soluble	Solid	300.0	96899
890-7428-15	SW - 15	Soluble	Solid	300.0	96899
890-7428-16	SW - 16	Soluble	Solid	300.0	96899
890-7428-17	SW - 117	Soluble	Solid	300.0	96899
890-7428-18	SW - 18	Soluble	Solid	300.0	96899
MB 880-96899/1-A	Method Blank	Soluble	Solid	300.0	96899
LCS 880-96899/2-A	Lab Control Sample	Soluble	Solid	300.0	96899

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 96958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-96899/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96899
890-7428-9 MS	SW - 9	Soluble	Solid	300.0	96899
890-7428-9 MSD	SW - 9	Soluble	Solid	300.0	96899

Analysis Batch: 96961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-19	SW - 19	Soluble	Solid	300.0	96900
890-7428-20	SW - 20	Soluble	Solid	300.0	96900
890-7428-21	SW - 21	Soluble	Solid	300.0	96900
890-7428-22	SW - 22	Soluble	Solid	300.0	96900
890-7428-23	SW - 23	Soluble	Solid	300.0	96900
890-7428-24	SW - 24	Soluble	Solid	300.0	96900
890-7428-25	SW - 25	Soluble	Solid	300.0	96900
890-7428-26	SW - 26	Soluble	Solid	300.0	96900
890-7428-27	SW - 27	Soluble	Solid	300.0	96900
890-7428-28	SW - 28	Soluble	Solid	300.0	96900
890-7428-29	SW - 29	Soluble	Solid	300.0	96900
890-7428-30	SW - 30	Soluble	Solid	300.0	96900
890-7428-31	SW - 31	Soluble	Solid	300.0	96900
890-7428-32	BH - 1 (2.0')	Soluble	Solid	300.0	96900
890-7428-33	BH - 2 (2.0')	Soluble	Solid	300.0	96900
890-7428-34	BH - 3 (2.0')	Soluble	Solid	300.0	96900
890-7428-35	BH - 4 (2.0')	Soluble	Solid	300.0	96900
890-7428-36	BH - 5 (2.0')	Soluble	Solid	300.0	96900
890-7428-37	BH -6 (2.0')	Soluble	Solid	300.0	96900
890-7428-38	BH - 7 (2.0')	Soluble	Solid	300.0	96900
MB 880-96900/1-A	Method Blank	Soluble	Solid	300.0	96900
LCS 880-96900/2-A	Lab Control Sample	Soluble	Solid	300.0	96900
LCSD 880-96900/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96900
890-7428-19 MS	SW - 19	Soluble	Solid	300.0	96900
890-7428-19 MSD	SW - 19	Soluble	Solid	300.0	96900
890-7428-29 MS	SW - 29	Soluble	Solid	300.0	96900
890-7428-29 MSD	SW - 29	Soluble	Solid	300.0	96900

Analysis Batch: 96962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-39	BH - 8 (2.0')	Soluble	Solid	300.0	96901
890-7428-40	BH - 9 (2.0')	Soluble	Solid	300.0	96901
890-7428-41	BH - 10 (2.0')	Soluble	Solid	300.0	96901
890-7428-42	BH - 11 (2.0')	Soluble	Solid	300.0	96901
890-7428-43	BH - 12 (2.0')	Soluble	Solid	300.0	96901
890-7428-44	BH - 13 (2.0')	Soluble	Solid	300.0	96901
890-7428-45	BH - 14 (2.0')	Soluble	Solid	300.0	96901
890-7428-46	BH - 15 (2.0')	Soluble	Solid	300.0	96901
890-7428-47	BH - 16 (2.0')	Soluble	Solid	300.0	96901
890-7428-48	BH - 17 (2.0')	Soluble	Solid	300.0	96901
890-7428-49	BH - 18 (2.0')	Soluble	Solid	300.0	96901
890-7428-50	BH - 19 (2.0')	Soluble	Solid	300.0	96901
890-7428-51	BH - 20 (2.0')	Soluble	Solid	300.0	96901
890-7428-52	BH - 21 (4.0')	Soluble	Solid	300.0	96901
890-7428-53	BH - 22 (4.0')	Soluble	Solid	300.0	96901

QC Association Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 96962 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-54	BH - 23 (4.0')	Soluble	Solid	300.0	96901
890-7428-55	BH - 24 (4.0')	Soluble	Solid	300.0	96901
890-7428-56	BH - 25 (4.0')	Soluble	Solid	300.0	96901
890-7428-57	BH - 26 (4.0')	Soluble	Solid	300.0	96901
890-7428-58	BH - 27 (4.0')	Soluble	Solid	300.0	96901
MB 880-96901/1-A	Method Blank	Soluble	Solid	300.0	96901
LCS 880-96901/2-A	Lab Control Sample	Soluble	Solid	300.0	96901
LCSD 880-96901/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96901
890-7428-39 MS	BH - 8 (2.0')	Soluble	Solid	300.0	96901
890-7428-39 MSD	BH - 8 (2.0')	Soluble	Solid	300.0	96901
890-7428-49 MS	BH - 18 (2.0')	Soluble	Solid	300.0	96901
890-7428-49 MSD	BH - 18 (2.0')	Soluble	Solid	300.0	96901

Analysis Batch: 96975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7428-59	BH - 28 (4.0')	Soluble	Solid	300.0	96902
890-7428-60	BH - 29 (4.0')	Soluble	Solid	300.0	96902
890-7428-61	BH - 30 (2.0')	Soluble	Solid	300.0	96902
890-7428-62	BH - 31 (2.0')	Soluble	Solid	300.0	96902
890-7428-63	BH - 32 (2.0')	Soluble	Solid	300.0	96902
890-7428-64	BH - 33 (2.0')	Soluble	Solid	300.0	96902
890-7428-65	BH - 34 (2.0')	Soluble	Solid	300.0	96902
890-7428-66	BH - 35 (2.0)	Soluble	Solid	300.0	96902
890-7428-67	BH - 36 (2.0')	Soluble	Solid	300.0	96902
890-7428-68	BH - 37 (2.0')	Soluble	Solid	300.0	96902
890-7428-69	BH - 38 (2.0')	Soluble	Solid	300.0	96902
890-7428-70	BH - 39 (2.0')	Soluble	Solid	300.0	96902
890-7428-71	BH - 40 (2.0')	Soluble	Solid	300.0	96902
890-7428-72	BH - 41 (2.0')	Soluble	Solid	300.0	96902
MB 880-96902/1-A	Method Blank	Soluble	Solid	300.0	96902
LCS 880-96902/2-A	Lab Control Sample	Soluble	Solid	300.0	96902
LCSD 880-96902/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	96902
890-7428-59 MS	BH - 28 (4.0')	Soluble	Solid	300.0	96902
890-7428-59 MSD	BH - 28 (4.0')	Soluble	Solid	300.0	96902
890-7428-69 MS	BH - 38 (2.0')	Soluble	Solid	300.0	96902
890-7428-69 MSD	BH - 38 (2.0')	Soluble	Solid	300.0	96902

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 1

Lab Sample ID: 890-7428-1

Date Collected: 11/27/24 08:00
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 12:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 12:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 19:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 04:20	CH	EET MID

Client Sample ID: SW - 2

Lab Sample ID: 890-7428-2

Date Collected: 11/27/24 08:10
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 20:09	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 04:27	CH	EET MID

Client Sample ID: SW - 3

Lab Sample ID: 890-7428-3

Date Collected: 11/27/24 08:15
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 13:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 20:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 04:34	CH	EET MID

Client Sample ID: SW - 4

Lab Sample ID: 890-7428-4

Date Collected: 11/27/24 08:20
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:50	SM	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 4

Lab Sample ID: 890-7428-4

Date Collected: 11/27/24 08:20
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 20:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 04:54	CH	EET MID

Client Sample ID: SW - 5

Lab Sample ID: 890-7428-5

Date Collected: 11/27/24 08:25
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 20:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:01	CH	EET MID

Client Sample ID: SW - 6

Lab Sample ID: 890-7428-6

Date Collected: 11/27/24 08:35
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 21:12	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:08	CH	EET MID

Client Sample ID: SW - 7

Lab Sample ID: 890-7428-7

Date Collected: 11/27/24 08:45
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 21:29	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 7

Date Collected: 11/27/24 08:45
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:15	CH	EET MID

Client Sample ID: SW - 8

Date Collected: 11/27/24 08:50
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 15:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 21:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:22	CH	EET MID

Client Sample ID: SW - 9

Date Collected: 11/27/24 09:00
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 15:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 22:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:29	CH	EET MID

Client Sample ID: SW - 10

Date Collected: 11/27/24 09:10
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 15:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 22:14	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:49	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 11

Lab Sample ID: 890-7428-11

Date Collected: 11/27/24 09:15
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 17:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 22:45	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 05:56	CH	EET MID

Client Sample ID: SW - 12

Lab Sample ID: 890-7428-12

Date Collected: 11/27/24 09:25
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:17	CH	EET MID

Client Sample ID: SW - 13

Lab Sample ID: 890-7428-13

Date Collected: 11/27/24 09:30
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:24	CH	EET MID

Client Sample ID: SW - 14

Lab Sample ID: 890-7428-14

Date Collected: 11/27/24 09:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 18:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:20	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 14

Lab Sample ID: 890-7428-14

Date Collected: 11/27/24 09:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 23:30	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:31	CH	EET MID

Client Sample ID: SW - 15

Lab Sample ID: 890-7428-15

Date Collected: 11/27/24 09:45
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/02/24 23:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:38	CH	EET MID

Client Sample ID: SW - 16

Lab Sample ID: 890-7428-16

Date Collected: 11/27/24 09:55
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 19:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/03/24 00:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:44	CH	EET MID

Client Sample ID: SW - 117

Lab Sample ID: 890-7428-17

Date Collected: 11/27/24 10:10
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/03/24 00:14	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 117
Date Collected: 11/27/24 10:10
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:51	CH	EET MID

Client Sample ID: SW - 18
Date Collected: 11/27/24 10:15
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/03/24 00:29	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96899	12/02/24 16:13	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96958	12/06/24 06:58	CH	EET MID

Client Sample ID: SW - 19
Date Collected: 11/27/24 10:20
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 20:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 20:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/03/24 00:43	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 00:59	CH	EET MID

Client Sample ID: SW - 20
Date Collected: 11/27/24 10:30
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96836	12/02/24 08:40	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96843	12/02/24 20:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 20:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96848	12/02/24 09:14	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96860	12/03/24 00:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 01:24	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 21
Date Collected: 11/27/24 10:35
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 12:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 12:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 19:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 19:23	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 01:32	CH	EET MID

Client Sample ID: SW - 22
Date Collected: 11/27/24 10:45
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 12:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 20:09	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 01:40	CH	EET MID

Client Sample ID: SW - 23
Date Collected: 11/27/24 10:50
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 13:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 20:26	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 01:48	CH	EET MID

Client Sample ID: SW - 24
Date Collected: 11/27/24 10:55
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 13:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:38	SM	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 24

Lab Sample ID: 890-7428-24

Date Collected: 11/27/24 10:55
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 20:40	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:13	CH	EET MID

Client Sample ID: SW - 25

Lab Sample ID: 890-7428-25

Date Collected: 11/27/24 11:00
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 20:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 20:57	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:21	CH	EET MID

Client Sample ID: SW - 26

Lab Sample ID: 890-7428-26

Date Collected: 11/27/24 11:10
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 21:12	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:29	CH	EET MID

Client Sample ID: SW - 27

Lab Sample ID: 890-7428-27

Date Collected: 11/27/24 11:15
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 21:29	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 27

Date Collected: 11/27/24 11:15
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:37	CH	EET MID

Client Sample ID: SW - 28

Date Collected: 11/27/24 11:20
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 21:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 21:43	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:45	CH	EET MID

Client Sample ID: SW - 29

Date Collected: 11/27/24 11:25
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 22:00	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 02:53	CH	EET MID

Client Sample ID: SW - 30

Date Collected: 11/27/24 11:30
Date Received: 11/27/24 15:50

Lab Sample ID: 890-7428-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 22:14	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 03:18	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: SW - 31

Lab Sample ID: 890-7428-31
Matrix: Solid
Date Collected: 11/27/24 11:35
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 17:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 22:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 22:45	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 03:26	CH	EET MID

Client Sample ID: BH - 1 (2.0')

Lab Sample ID: 890-7428-32
Matrix: Solid
Date Collected: 11/26/24 12:00
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 17:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 23:00	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 03:50	CH	EET MID

Client Sample ID: BH - 2 (2.0')

Lab Sample ID: 890-7428-33
Matrix: Solid
Date Collected: 11/26/24 12:05
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 17:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:15	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 23:15	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 03:58	CH	EET MID

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-7428-34
Matrix: Solid
Date Collected: 11/26/24 12:10
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 18:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:17	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 3 (2.0')

Lab Sample ID: 890-7428-34

Date Collected: 11/26/24 12:10
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 23:30	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 04:06	CH	EET MID

Client Sample ID: BH - 4 (2.0')

Lab Sample ID: 890-7428-35

Date Collected: 11/26/24 12:15
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 18:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/02/24 23:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/02/24 23:45	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 04:15	CH	EET MID

Client Sample ID: BH - 5 (2.0')

Lab Sample ID: 890-7428-36

Date Collected: 11/26/24 12:20
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 18:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/03/24 00:00	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 04:23	CH	EET MID

Client Sample ID: BH -6 (2.0')

Lab Sample ID: 890-7428-37

Date Collected: 11/26/24 12:25
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 19:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/03/24 00:14	SM	EET MID

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Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH -6 (2.0')

Lab Sample ID: 890-7428-37

Date Collected: 11/26/24 12:25
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 04:31	CH	EET MID

Client Sample ID: BH - 7 (2.0')

Lab Sample ID: 890-7428-38

Date Collected: 11/26/24 12:30
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 19:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/03/24 00:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96900	12/02/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96961	12/04/24 04:39	CH	EET MID

Client Sample ID: BH - 8 (2.0')

Lab Sample ID: 890-7428-39

Date Collected: 11/27/24 10:35
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96894	12/03/24 08:00	MNR	EET MID
Total/NA	Analysis	8021B		5	5 mL	5 mL	96934	12/03/24 15:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/03/24 15:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/03/24 00:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 05:44	CH	EET MID

Client Sample ID: BH - 9 (2.0')

Lab Sample ID: 890-7428-40

Date Collected: 11/26/24 12:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96837	12/02/24 08:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96842	12/02/24 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 20:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 00:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96856	12/02/24 09:18	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96862	12/03/24 00:58	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 06:09	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 10 (2.0')

Lab Sample ID: 890-7428-41

Date Collected: 11/27/24 10:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 14:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 10:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 10:59	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 06:17	CH	EET MID

Client Sample ID: BH - 11 (2.0')

Lab Sample ID: 890-7428-42

Date Collected: 11/26/24 12:45
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 14:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 11:47	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 06:25	CH	EET MID

Client Sample ID: BH - 12 (2.0')

Lab Sample ID: 890-7428-43

Date Collected: 11/26/24 13:00
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 14:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 12:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 06:33	CH	EET MID

Client Sample ID: BH - 13 (2.0')

Lab Sample ID: 890-7428-44

Date Collected: 11/26/24 13:05
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 15:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:04	SM	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 13 (2.0')

Lab Sample ID: 890-7428-44

Date Collected: 11/26/24 13:05
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 12:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 06:58	CH	EET MID

Client Sample ID: BH - 14 (2.0')

Lab Sample ID: 890-7428-45

Date Collected: 11/26/24 13:10
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 15:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 12:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 07:06	CH	EET MID

Client Sample ID: BH - 15 (2.0')

Lab Sample ID: 890-7428-46

Date Collected: 11/26/24 13:15
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 12:51	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 07:14	CH	EET MID

Client Sample ID: BH - 16 (2.0')

Lab Sample ID: 890-7428-47

Date Collected: 11/26/24 13:20
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 16:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 16:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 13:07	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 16 (2.0')

Lab Sample ID: 890-7428-47

Date Collected: 11/26/24 13:20
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 07:22	CH	EET MID

Client Sample ID: BH - 17 (2.0')

Lab Sample ID: 890-7428-48

Date Collected: 11/26/24 13:25
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 16:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 16:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 13:23	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 07:30	CH	EET MID

Client Sample ID: BH - 18 (2.0')

Lab Sample ID: 890-7428-49

Date Collected: 11/26/24 13:30
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 16:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 16:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 13:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 07:38	CH	EET MID

Client Sample ID: BH - 19 (2.0')

Lab Sample ID: 890-7428-50

Date Collected: 11/26/24 13:35
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 17:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 13:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 08:03	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 20 (2.0')

Lab Sample ID: 890-7428-51

Date Collected: 11/26/24 13:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 18:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 18:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 14:26	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 08:11	CH	EET MID

Client Sample ID: BH - 21 (4.0')

Lab Sample ID: 890-7428-52

Date Collected: 11/26/24 13:45
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 19:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 14:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 14:42	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 08:35	CH	EET MID

Client Sample ID: BH - 22 (4.0')

Lab Sample ID: 890-7428-53

Date Collected: 11/26/24 13:50
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 19:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 14:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 14:59	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 08:43	CH	EET MID

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-7428-54

Date Collected: 11/26/24 13:55
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 19:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 19:58	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 23 (4.0')

Lab Sample ID: 890-7428-54

Date Collected: 11/26/24 13:55
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/03/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 15:14	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 08:52	CH	EET MID

Client Sample ID: BH - 24 (4.0')

Lab Sample ID: 890-7428-55

Date Collected: 11/26/24 14:00
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 20:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 20:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 15:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 15:32	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 09:00	CH	EET MID

Client Sample ID: BH - 25 (4.0')

Lab Sample ID: 890-7428-56

Date Collected: 11/26/24 14:05
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 20:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 20:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 15:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 15:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 09:08	CH	EET MID

Client Sample ID: BH - 26 (4.0')

Lab Sample ID: 890-7428-57

Date Collected: 11/26/24 14:10
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 21:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 21:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 16:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 16:05	TKC	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 26 (4.0')

Lab Sample ID: 890-7428-57
Matrix: Solid
Date Collected: 11/26/24 14:10
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 09:16	CH	EET MID

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-7428-58
Matrix: Solid
Date Collected: 11/26/24 14:15
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 21:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 21:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 16:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 16:20	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	96901	12/02/24 16:18	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96962	12/04/24 09:24	CH	EET MID

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-7428-59
Matrix: Solid
Date Collected: 11/26/24 14:25
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 21:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 21:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 16:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 16:37	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 08:49	CH	EET MID

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-7428-60
Matrix: Solid
Date Collected: 11/27/24 10:45
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96838	12/02/24 08:43	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96844	12/02/24 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 22:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 16:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96857	12/02/24 09:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96956	12/03/24 16:52	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 09:10	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 30 (2.0')

Lab Sample ID: 890-7428-61

Date Collected: 11/26/24 14:30
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 12:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 12:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 10:59	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 10:59	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 09:17	CH	EET MID

Client Sample ID: BH - 31 (2.0')

Lab Sample ID: 890-7428-62

Date Collected: 11/27/24 10:50
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 13:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 11:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 11:47	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 09:23	CH	EET MID

Client Sample ID: BH - 32 (2.0')

Lab Sample ID: 890-7428-63

Date Collected: 11/26/24 14:35
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 12:04	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 09:30	CH	EET MID

Client Sample ID: BH - 33 (2.0')

Lab Sample ID: 890-7428-64

Date Collected: 11/26/24 14:40
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 13:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 13:52	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 33 (2.0')

Lab Sample ID: 890-7428-64

Date Collected: 11/26/24 14:40
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 12:20	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96975	12/06/24 09:51	CH	EET MID

Client Sample ID: BH - 34 (2.0')

Lab Sample ID: 890-7428-65

Date Collected: 11/26/24 14:45
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 14:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 12:36	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 09:58	CH	EET MID

Client Sample ID: BH - 35 (2.0)

Lab Sample ID: 890-7428-66

Date Collected: 11/26/24 14:50
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 14:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 12:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 12:51	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:05	CH	EET MID

Client Sample ID: BH - 36 (2.0')

Lab Sample ID: 890-7428-67

Date Collected: 11/26/24 14:55
Date Received: 11/27/24 15:50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 14:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 14:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 13:07	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 36 (2.0')

Lab Sample ID: 890-7428-67
Matrix: Solid
Date Collected: 11/26/24 14:55
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:12	CH	EET MID

Client Sample ID: BH - 37 (2.0')

Lab Sample ID: 890-7428-68
Matrix: Solid
Date Collected: 11/26/24 15:00
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 15:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 13:23	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:18	CH	EET MID

Client Sample ID: BH - 38 (2.0')

Lab Sample ID: 890-7428-69
Matrix: Solid
Date Collected: 11/26/24 15:05
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 15:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 15:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 13:39	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:25	CH	EET MID

Client Sample ID: BH - 39 (2.0')

Lab Sample ID: 890-7428-70
Matrix: Solid
Date Collected: 11/27/24 10:55
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 17:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 13:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 13:54	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:46	CH	EET MID

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Client Sample ID: BH - 40 (2.0')

Lab Sample ID: 890-7428-71

Date Collected: 11/26/24 15:10
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 17:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 14:26	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	96975	12/06/24 10:53	CH	EET MID

Client Sample ID: BH - 41 (2.0')

Lab Sample ID: 890-7428-72

Date Collected: 11/27/24 11:00
Matrix: Solid
Date Received: 11/27/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	96835	12/02/24 08:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	96841	12/02/24 17:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			96976	12/02/24 17:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			96984	12/03/24 14:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	96858	12/02/24 09:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	96959	12/03/24 14:42	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	96902	12/02/24 16:20	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	96975	12/06/24 12:02	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7428-1	SW - 1	Solid	11/27/24 08:00	11/27/24 15:50
890-7428-2	SW - 2	Solid	11/27/24 08:10	11/27/24 15:50
890-7428-3	SW - 3	Solid	11/27/24 08:15	11/27/24 15:50
890-7428-4	SW - 4	Solid	11/27/24 08:20	11/27/24 15:50
890-7428-5	SW - 5	Solid	11/27/24 08:25	11/27/24 15:50
890-7428-6	SW - 6	Solid	11/27/24 08:35	11/27/24 15:50
890-7428-7	SW - 7	Solid	11/27/24 08:45	11/27/24 15:50
890-7428-8	SW - 8	Solid	11/27/24 08:50	11/27/24 15:50
890-7428-9	SW - 9	Solid	11/27/24 09:00	11/27/24 15:50
890-7428-10	SW - 10	Solid	11/27/24 09:10	11/27/24 15:50
890-7428-11	SW - 11	Solid	11/27/24 09:15	11/27/24 15:50
890-7428-12	SW - 12	Solid	11/27/24 09:25	11/27/24 15:50
890-7428-13	SW - 13	Solid	11/27/24 09:30	11/27/24 15:50
890-7428-14	SW - 14	Solid	11/27/24 09:40	11/27/24 15:50
890-7428-15	SW - 15	Solid	11/27/24 09:45	11/27/24 15:50
890-7428-16	SW - 16	Solid	11/27/24 09:55	11/27/24 15:50
890-7428-17	SW - 117	Solid	11/27/24 10:10	11/27/24 15:50
890-7428-18	SW - 18	Solid	11/27/24 10:15	11/27/24 15:50
890-7428-19	SW - 19	Solid	11/27/24 10:20	11/27/24 15:50
890-7428-20	SW - 20	Solid	11/27/24 10:30	11/27/24 15:50
890-7428-21	SW - 21	Solid	11/27/24 10:35	11/27/24 15:50
890-7428-22	SW - 22	Solid	11/27/24 10:45	11/27/24 15:50
890-7428-23	SW - 23	Solid	11/27/24 10:50	11/27/24 15:50
890-7428-24	SW - 24	Solid	11/27/24 10:55	11/27/24 15:50
890-7428-25	SW - 25	Solid	11/27/24 11:00	11/27/24 15:50
890-7428-26	SW - 26	Solid	11/27/24 11:10	11/27/24 15:50
890-7428-27	SW - 27	Solid	11/27/24 11:15	11/27/24 15:50
890-7428-28	SW - 28	Solid	11/27/24 11:20	11/27/24 15:50
890-7428-29	SW - 29	Solid	11/27/24 11:25	11/27/24 15:50
890-7428-30	SW - 30	Solid	11/27/24 11:30	11/27/24 15:50
890-7428-31	SW - 31	Solid	11/27/24 11:35	11/27/24 15:50
890-7428-32	BH - 1 (2.0')	Solid	11/26/24 12:00	11/27/24 15:50
890-7428-33	BH - 2 (2.0')	Solid	11/26/24 12:05	11/27/24 15:50
890-7428-34	BH - 3 (2.0')	Solid	11/26/24 12:10	11/27/24 15:50
890-7428-35	BH - 4 (2.0')	Solid	11/26/24 12:15	11/27/24 15:50
890-7428-36	BH - 5 (2.0')	Solid	11/26/24 12:20	11/27/24 15:50
890-7428-37	BH -6 (2.0')	Solid	11/26/24 12:25	11/27/24 15:50
890-7428-38	BH - 7 (2.0')	Solid	11/26/24 12:30	11/27/24 15:50
890-7428-39	BH - 8 (2.0')	Solid	11/27/24 10:35	11/27/24 15:50
890-7428-40	BH - 9 (2.0')	Solid	11/26/24 12:40	11/27/24 15:50
890-7428-41	BH - 10 (2.0')	Solid	11/27/24 10:40	11/27/24 15:50
890-7428-42	BH - 11 (2.0')	Solid	11/26/24 12:45	11/27/24 15:50
890-7428-43	BH - 12 (2.0')	Solid	11/26/24 13:00	11/27/24 15:50
890-7428-44	BH - 13 (2.0')	Solid	11/26/24 13:05	11/27/24 15:50
890-7428-45	BH - 14 (2.0')	Solid	11/26/24 13:10	11/27/24 15:50
890-7428-46	BH - 15 (2.0')	Solid	11/26/24 13:15	11/27/24 15:50
890-7428-47	BH - 16 (2.0')	Solid	11/26/24 13:20	11/27/24 15:50
890-7428-48	BH - 17 (2.0')	Solid	11/26/24 13:25	11/27/24 15:50
890-7428-49	BH - 18 (2.0')	Solid	11/26/24 13:30	11/27/24 15:50
890-7428-50	BH - 19 (2.0')	Solid	11/26/24 13:35	11/27/24 15:50
890-7428-51	BH - 20 (2.0')	Solid	11/26/24 13:40	11/27/24 15:50
890-7428-52	BH - 21 (4.0')	Solid	11/26/24 13:45	11/27/24 15:50
890-7428-53	BH - 22 (4.0')	Solid	11/26/24 13:50	11/27/24 15:50
890-7428-54	BH - 23 (4.0')	Solid	11/26/24 13:55	11/27/24 15:50

Sample Summary

Client: Tetra Tech Inc
Project/Site: MLMU #74

Job ID: 890-7428-1
SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7428-55	BH - 24 (4.0')	Solid	11/26/24 14:00	11/27/24 15:50
890-7428-56	BH - 25 (4.0')	Solid	11/26/24 14:05	11/27/24 15:50
890-7428-57	BH - 26 (4.0')	Solid	11/26/24 14:10	11/27/24 15:50
890-7428-58	BH - 27 (4.0')	Solid	11/26/24 14:15	11/27/24 15:50
890-7428-59	BH - 28 (4.0')	Solid	11/26/24 14:25	11/27/24 15:50
890-7428-60	BH - 29 (4.0')	Solid	11/27/24 10:45	11/27/24 15:50
890-7428-61	BH - 30 (2.0')	Solid	11/26/24 14:30	11/27/24 15:50
890-7428-62	BH - 31 (2.0')	Solid	11/27/24 10:50	11/27/24 15:50
890-7428-63	BH - 32 (2.0')	Solid	11/26/24 14:35	11/27/24 15:50
890-7428-64	BH - 33 (2.0')	Solid	11/26/24 14:40	11/27/24 15:50
890-7428-65	BH - 34 (2.0')	Solid	11/26/24 14:45	11/27/24 15:50
890-7428-66	BH - 35 (2.0)	Solid	11/26/24 14:50	11/27/24 15:50
890-7428-67	BH - 36 (2.0')	Solid	11/26/24 14:55	11/27/24 15:50
890-7428-68	BH - 37 (2.0')	Solid	11/26/24 15:00	11/27/24 15:50
890-7428-69	BH - 38 (2.0')	Solid	11/26/24 15:05	11/27/24 15:50
890-7428-70	BH - 39 (2.0')	Solid	11/27/24 10:55	11/27/24 15:50
890-7428-71	BH - 40 (2.0')	Solid	11/26/24 15:10	11/27/24 15:50
890-7428-72	BH - 41 (2.0')	Solid	11/27/24 11:00	11/27/24 15:50

Analysis Request of Chain of Custody Record

Page 1 of 8

Tetra Tech, Inc.

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

890-7428 Chain of Custody

12/6/2024

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU #74	432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:**
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	**Sampler Signature:** Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	BTEX 8260B	Hold
	SW-1	11/27/2024	0800		x			x			x		x												x				
	SW-2	11/27/2024	0810		x			x			x		x												x				
	SW-3	11/27/2024	0815		x			x			x		x												x				
	SW-4	11/27/2024	0820		x			x			x		x												x				
	SW-5	11/27/2024	0825		x			x			x		x												x				
	SW-6	11/27/2024	0835		x			x			x		x												x				
	SW-7	11/27/2024	0845		x			x			x		x												x				
	SW-8	11/27/2024	0850		x			x			x		x												x				
	SW-9	11/27/2024	0900		x			x			x		x												x				
	SW-10	11/27/2024	0910		x			x			x		x												x				

Relinquished by: Jorge Fernandez	Date: 11-27-24	Time: 1500	Received by: [signature] Date: 11-27-24 Time: 1500
Relinquished by:	Date:	Time:	Received by: [signature] Date: 11/27 Time: 1850
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature
TWN007
-0.2
2.8
2.6

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU #74	432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:**
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	**Sampler Signature:** Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING YEAR: 2023 DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	BTEX 8260B	Hold
	SW-11	11/27/2024	0915		x			x			x		x												x				
	SW-12	11/27/2024	0925		x			x			x		x												x				
	SW-13	11/27/2024	0930		x			x			x		x												x				
	SW-14	11/27/2024	0940		x			x			x		x												x				
	SW-15	11/27/2024	0945		x			x			x		x												x				
	SW-16	**11/27/2024**	0955		x			x			x		x												x				
	SW-17	11/27/2024	1010		x			x			x		x												x				
	SW-18	11/27/2024	1015		x			x			x		x												x				
	SW-19	11/27/2024	1020		x			x			x		x												x				
	SW-20	11/27/2024	1030		x			x			x		x												x				

Relinquished by: Jorge Fernandez V	Date: 11-27-24	Time: 1500	Received by:
Relinquished by:	Date:	Time:	Received by: Date: 11/27 Time: 1550
Relinquished by:	Date:	Time:	Received by: Date: Time:

LAB USE ONLY

Sample Temperature
Thermo
-0.7
2.8
2.6

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU #74	432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:**
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	**Sampler Signature:** Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	SW-21	11/27/2024	1035		x				x					x		x													x								
	SW-22	11/27/2024	1045		x				x					x		x													x								
	SW-23	11/27/2024	1050		x				x					x		x													x								
	SW-24	11/27/2024	1055		x				x					x		x													x								
	SW-25	11/27/2024	1100		x				x					x		x													x								
	SW-26	11/27/2024	1110		x				x					x		x													x								
	SW-27	11/27/2024	1115		x				x					x		x													x								
	SW-28	11/27/2024	1120		x				x					x		x													x								
	SW-29	11/27/2024	1125		x				x					x		x													x								
	SW-30	11/27/2024	1130		x				x					x		x													x								

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Relinquished by: Jorge L Fernandez V.	Date: 11-27-24	Time: 1500	Received by: [signature] 11-27-24 1500
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: 11/27 1550 Date: Time:

LAB USE ONLY

Sample Temperature
TNMC07
-0.2
2.8
2.6

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Page 4 of 8

Tetra Tech, Inc.

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

Client Name: JR Oil

Site Manager: Brittany Long 432-741-5813 Brittany.long@tetratech.com

Project Name: MLMU #74

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

Project #:

Invoice to: ATTN:Rex Tippy

Receiving Laboratory: Eurofins

Sampler Signature: Jorge Fernandez

Comments: Jorge.fernandezvelo@tetratech.com

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	SW-31	11/27/2024	1135		x			x			x		x												x				
	BH-1 (2.0')	11/26/2024	1200		x			x			x		x												x				
	BH-2 (2.0')	11/26/2024	1205		x			x			x		x												x				
	BH-3 (2.0')	11/26/2024	1210		x			x			x		x												x				
	BH-4 (2.0')	11/26/2024	1215		x			x			x		x												x				
	BH-5 (2.0')	11/26/2024	1220		x			x			x		x												x				
	BH-6 (2.0')	11/26/2024	1225		x			x			x		x												x				
	BH-7 (2.0')	11/26/2024	1230		x			x			x		x												x				
	BH-8 (2.0')	11/27/2024	1035		x			x			x		x												x				
	BH-9 (2.0')	11/26/2024	1240		x			x			x		x												x				

Relinquished by: Jorge Fernandez V. Date: 11-27-24 Time: 1500

Received by: [illegible] Date: 11-27-24 Time: 1500

Relinquished by: Date: Time:

Received by: [illegible] Date: 11/27 Time: 1850

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature: Trimmer -0.2, 2.8, 2.6

REMARKS: Standard TAT

☐ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record

Page 5 of 8

Tetra Tech, Inc.

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

Client Name:	JR Oil	**Site Manager:**	Brittany Long
Project Name:	MLMU #74		432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state)	Lea County, NM	**Project #:**	
Invoice to:	ATTN:Rex Tippy		
Receiving Laboratory:	Eurofins	**Sampler Signature:**	Jorge Fernandez
Comments:	Jorge.fernandezvelo@tetratech.com		

ANALYSIS REQUEST
(Circle or Specify Method No.)

SAMPLING YEAR: 2023

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX: WATER	MATRIX: SOIL	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-10 (2.0')	11/27/2024	1040		x			x			x		x												x				
	BH-11 (2.0')	11/26/2024	1245		x			x			x		x												x				
	BH-12 (2.0')	11/26/2024	1300		x			x			x		x												x				
	BH-13 (2.0')	11/26/2024	1305		x			x			x		x												x				
	BH-14 (2.0')	11/26/2024	1310		x			x			x		x												x				
	BH-15 (2.0')	11/26/2024	1315		x			x			x		x												x				
	BH-16 (2.0')	11/26/2024	1320		x			x			x		x												x				
	BH-17 (2.0')	11/26/2024	1325		x			x			x		x												x				
	BH-18 (2.0')	11/26/2024	1330		x			x			x		x												x				
	BH-19 (2.0')	11/26/2024	1335		x			x			x		x												x				

Relinquished by: [signature]	Date: 11-27-24	Time: 1500	Received by: [signature]	Date: 11-27-24	Time: 1500
Relinquished by:	Date:	Time:	Received by: [signature]	Date: 11/27	Time: 1550
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

LAB USE ONLY

Sample Temperature: [signature] -0.2 2.8 2.6

REMARKS: Standard TAT (circled)

☐ 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

12/6/2024

Analysis Request of Chain of Custody Record

Page 6 of 8

Tetra Tech, Inc.

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

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU #74	432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:**
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	**Sampler Signature:** Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE	SAMPLING TIME	MATRIX WATER	MATRIX SOIL	PRESERVATIVE METHOD HCL	PRESERVATIVE METHOD HNO_3	PRESERVATIVE METHOD ICE	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B	BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance	Hold
	BH-20 (2.0')	11/26/2024	1340		x			x			x		x													x				
	BH-21 (4.0')	11/26/2024	1345		x			x			x		x													x				
	BH-22 (4.0')	11/26/2024	1350		x			x			x		x													x				
	BH-23 (4.0')	11/26/2024	1355		x			x			x		x													x				
	~~BH-24 (4.0')~~	11/26/2024	1400		x			x			x		x													x				
	BH-25 (4.0')	11/26/2024	1405		x			x			x		x													x				
	BH-26 (4.0')	11/26/2024	1410		x			x			x		x													x				
	BH-27 (4.0')	11/26/2024	1415		x			x			x		x													x				
	~~BH-27 (4.0')~~ JLFV	11/26/2024	1420		x			x			x		x													x				
	BH-28 (4.0')	11/26/2024	1425		x			x			x		x													x				

Relinquished by:	Date:	Time: 1500	Received by: 11-27-24 1500
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: 11/27 Date: 15 50 Time:

LAB USE ONLY

Sample Temperature
TNMC
-0.3
2.8
2.6

REMARKS: Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

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Analysis Request of Chain of Custody Record

Tetra Tech, Inc.

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

Client Name: JR Oil	**Site Manager:** Brittany Long
Project Name: MLMU #74	432-741-5813 Brittany.long@tetratech.com
Project Location: (county, state) Lea County, NM	**Project #:**
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	**Sampler Signature:** Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	MATRIX: WATER	MATRIX: SOIL	MATRIX:	PRESERVATIVE METHOD: HCL	PRESERVATIVE METHOD: HNO_3	PRESERVATIVE METHOD: ICE	PRESERVATIVE METHOD:	PRESERVATIVE METHOD:	# CONTAINERS	FILTERED (Y/N)	BTEX 8021B / BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance				Hold
	BH-29 (4.0')	11/27/2024	1045		x				x					x		x												x							
	BH-30 (2.0')	11/26/2024	1430		x				x					x		x												x							
	BH-31 (2.0')	11/27/2024	1050		x				x					x		x												x							
	BH-32 (2.0')	11/26/2024	1435		x				x					x		x												x							
	BH-33 (2.0')	11/26/2024	1440		x				x					x		x												x							
	BH-34 (2.0')	11/26/2024	1445		x				x					x		x												x							
	BH-35 (2.0')	11/26/2024	1450		x				x					x		x												x							
	BH-36 (2.0')	11/26/2024	1455		x				x					x		x												x							
	BH-37 (2.0')	11/26/2024	1500		x				x					x		x												x							
	BH-38 (2.0')	11/26/2024	1505		x				x					x		x												x							

Relinquished by:	Date:	Time: 1500	Received by:
Relinquished by:	Date: 11-27-24	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:
			Date: 11-27-24 Time: 1500
			Date: 11/27 Time: 1550

LAB USE ONLY

Sample Temperature
IR Gun
-0.2
2.8
2.6

REMARKS: Standard TAT

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

Analysis Request of Chain of Custody Record

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Tetra Tech, Inc.

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

Client Name: JR Oil	Site Manager: Brittany Long 432-741-5813 Brittany.long@tetratech.com
Project Name: MLMU #74	
Project Location: (county, state) Lea County, NM	Project #:
Invoice to: ATTN:Rex Tippy	
Receiving Laboratory: Eurofins	Sampler Signature: Jorge Fernandez
Comments: Jorge.fernandezvelo@tetratech.com	

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING DATE (YEAR: 2023)	SAMPLING TIME	WATER	SOIL		HCL	HNO3	ICE		# CONTAINERS	FILTERED (Y/N)	BTEX 8021B BTEX 8260B	TPH TX1005 (Ext to C35)	TPH 8015M (GRO - DRO - ORO - MRO)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8260B / 624	GC/MS Semi. Vol. 8270C/625	PCB's 8082 / 608	NORM	PLM (Asbestos)	Chloride	Chloride Sulfate TDS	General Water Chemistry (see attached list)	Anion/Cation Balance					Hold
	BH-39 (2.0')	11/27/2024	1055		x				x				x		x												x								
	BH-40 (2.0')	11/26/2024	1510		x				x				x		x												x								
	BH-41 (2.0')	11/27/2024	1100		x				x				x		x												x								

MATRIX: WATER, SOIL. PRESERVATIVE METHOD: HCL, HNO3, ICE.

Relinquished by: [signature] Date: 11-27-24 Time: 1500	Received by: [signature] Date: 11-27-24 Time: 1500	LAB USE ONLY Sample Temperature (Tvm-c) -0.2 2.8 2.6
Relinquished by: Date: Time:	Received by: [signature] Date: 11/27 Time: 1550	REMARKS: Standard TAT (circled) ☐ RUSH: Same Day 24 hr 48 hr 72 hr ☐ Rush Charges Authorized ☐ Special Report Limits or TRRP Report
Relinquished by: Date: Time:	Received by: Date: Time:	(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-7428-1
SDG Number: Lea County

Login Number: 7428
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-7428-1
SDG Number: Lea County

Login Number: 7428
List Number: 2
Creator: Vasquez, Julisa

List Source: Eurofins Midland
List Creation: 12/02/24 08:24 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

CARDINAL Laboratories

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

February 28, 2025

SAM CHAMA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: MLMU #074

Enclosed are the results of analyses for samples received by the laboratory on 02/24/25 14:25.

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 accreditated 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,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: SW - 3 (3') (H251077-01)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *113 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *109 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: SW - 9 (2') (H251077-02)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**48.0**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 6 (3') (H251077-03)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**448**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *112 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 10 (3') (H251077-04)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**480**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *92.1 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *87.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 15 (3') (H251077-05)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**448**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *96.1 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 16 (3') (H251077-06)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**240**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *98.4 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *97.5 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 31 (3') (H251077-07)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**160**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.0 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 34 (3') (H251077-08)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**224**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *105 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 40 (3') (H251077-09)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**208**	16.0	02/25/2025	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	02/25/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/25/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/25/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *99.9 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

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

Received:	02/24/2025	Sampling Date:	02/24/2025
Reported:	02/28/2025	Sampling Type:	Soil
Project Name:	MLMU #074	Sampling Condition:	Cool & Intact
Project Number:	212C-MD-03750	Sample Received By:	Alyssa Parras
Project Location:	JR OIL - LEA COUNTY, NM		

Sample ID: BH - 41 (3') (H251077-10)

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	02/26/2025	ND	1.77	88.5	2.00	9.55	
Toluene*	<0.050	0.050	02/26/2025	ND	1.76	88.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	02/26/2025	ND	1.67	83.3	2.00	19.3	
Total Xylenes*	<0.150	0.150	02/26/2025	ND	5.17	86.2	6.00	18.0	
Total BTEX	<0.300	0.300	02/26/2025	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	**224**	16.0	02/25/2025	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	02/26/2025	ND	207	103	200	2.78	
DRO >C10-C28*	<10.0	10.0	02/26/2025	ND	193	96.6	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	02/26/2025	ND					

Surrogate: 1-Chlorooctane *101 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *103 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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:	~~JR C.I~~ Tetratech (W2) 2/24/25
Project Manager:	Sam Chama sam.chama@tetratech.com
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	212C-MD-03750 Project Owner:
Project Name:	MLMU #074
Project Location:	Lea County, NM
Sampler Name:	William Erlendson

BILL TO

P.O. #:	
Company:	JR C.I
Attn:	Sam.Chama@tetratech.com
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

Chloride | BTEX | TPH

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H05077 1	SW-3 (3')	C				X					X		2/24/25	~~10:00~~ 9:30
2	SW-9 (2')	C				X					X			9:45
3	BH-6 (3')					X					X			10:00
4	BH-10 (3')					X					X			10:15
5	BH-15 (3')					X					X			10:30
6	BH-16 (3')					X					X			10:45
7	BH-31 (3')					X					X			11:00
8	BH-34 (3')					X					X			11:15
9	BH-40 (3')					X					X			11:30
10	BH-41 (3')					X					X			11:45

Relinquished By: William Erl	Date: 2/24/25 Time: 1425	Received By:	
Relinquished By:	Date: Time:	Received By:	

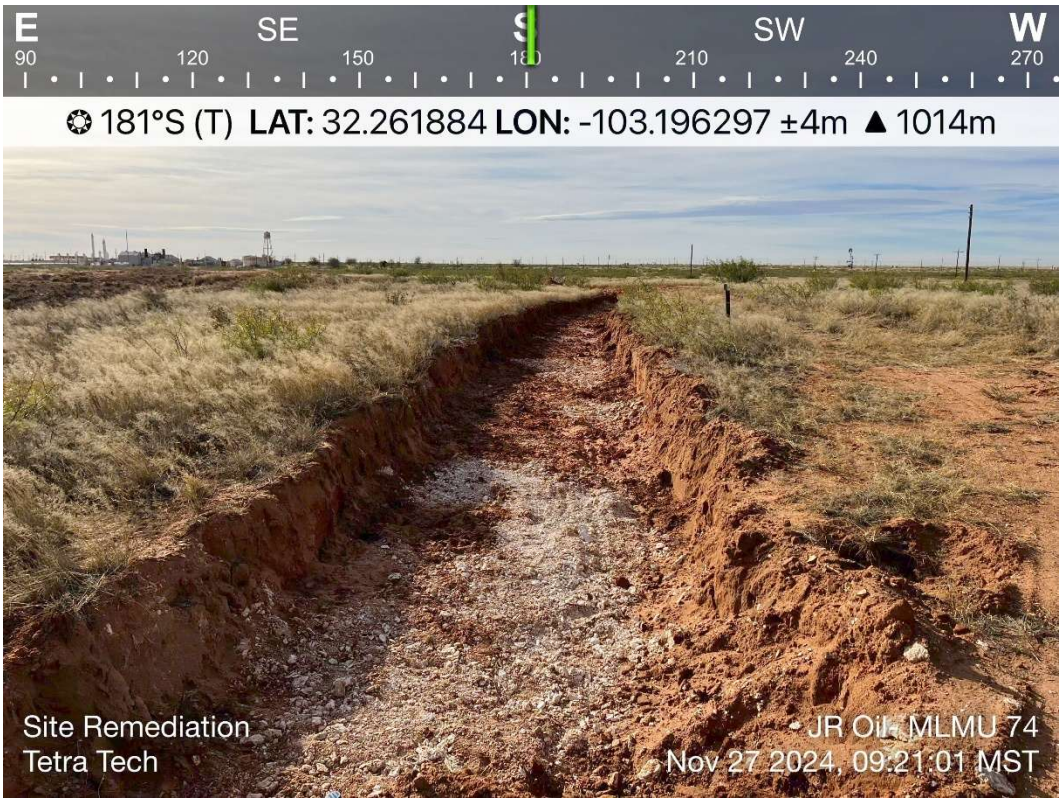
Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.1	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Turnaround Time: ☐ Standard ☒ Rush 2-24-25 Thermometer ID #140 Correction Factor ~~-0.6°C~~ +0.3
	Corrected Temp. °C 0.4			Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No Intact ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.3 08/05/24

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

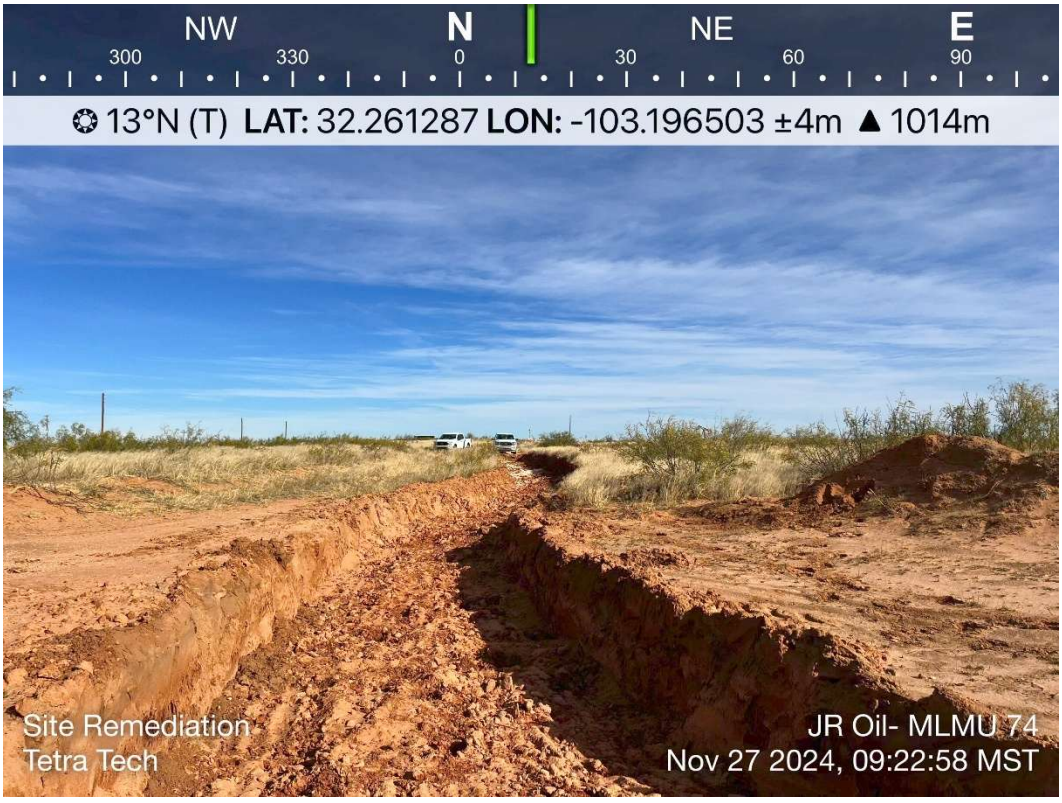
APPENDIX D
Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View south. Along pipeline corridor.	1
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View south. Along pipeline corridor.	2
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

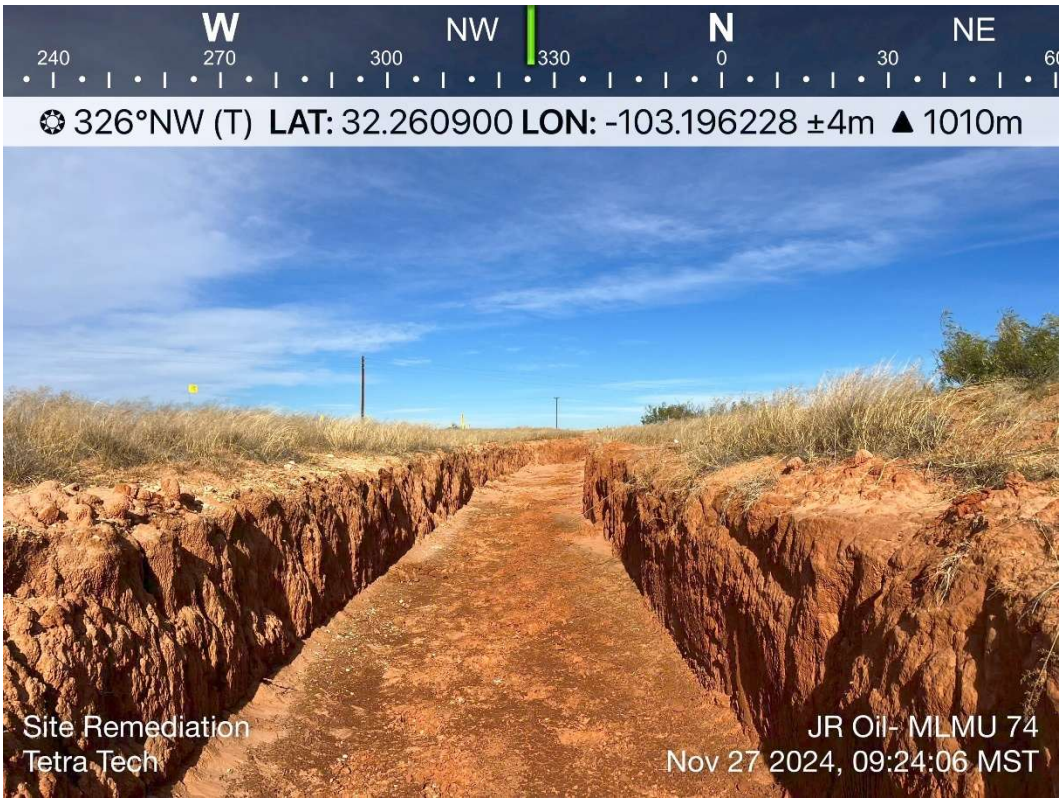
TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Along pipeline corridor.	3
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024



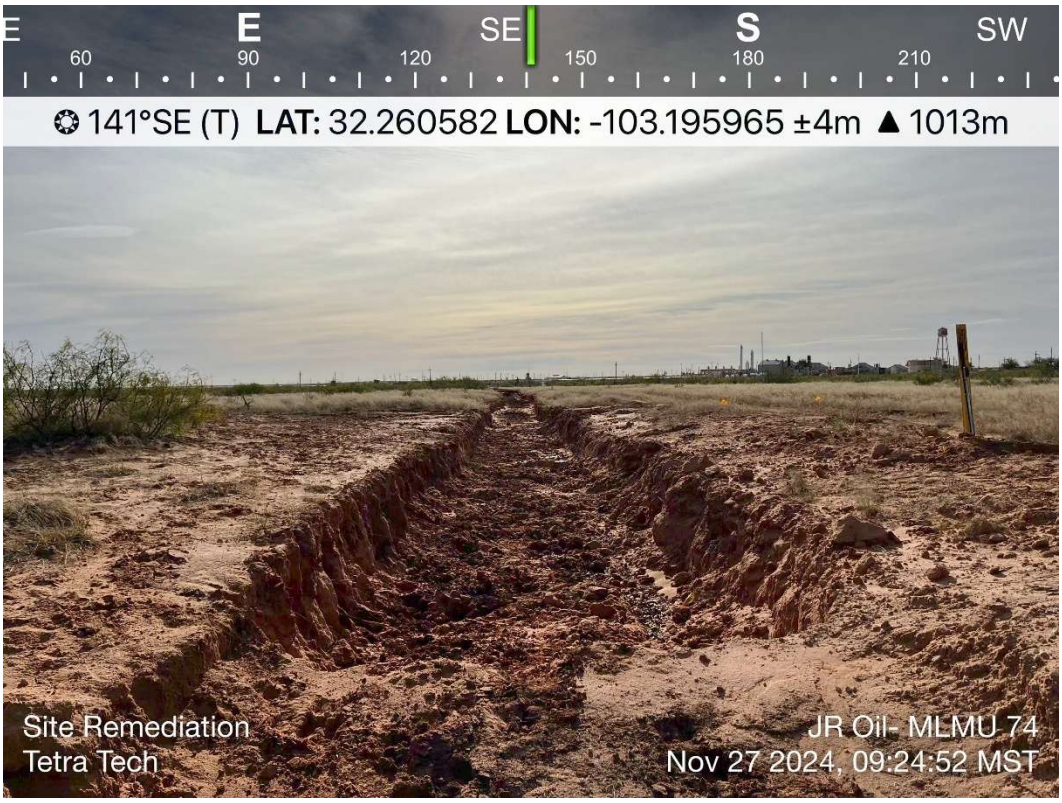
TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Along pipeline corridor.	4
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southeast. Former Release area.	5
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Along pipeline corridor. Overhead powerlines to the left.	6
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

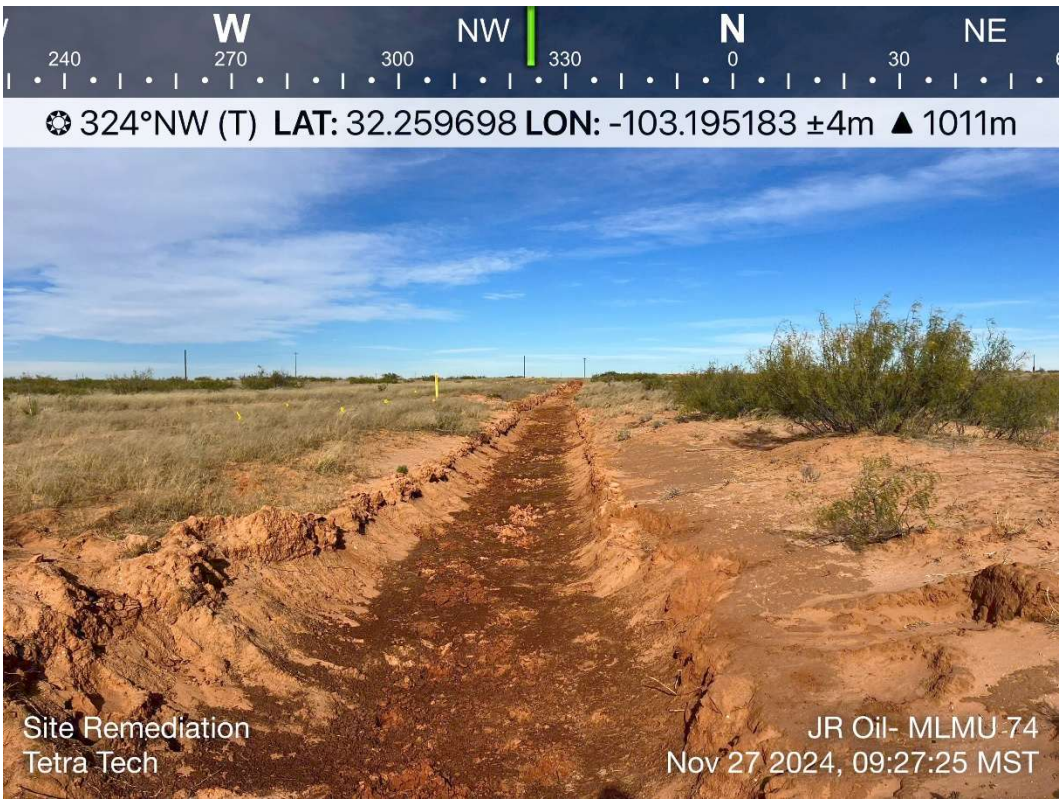


TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View northwest. Along pipeline corridor. Overhead powerlines to the left.	7
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

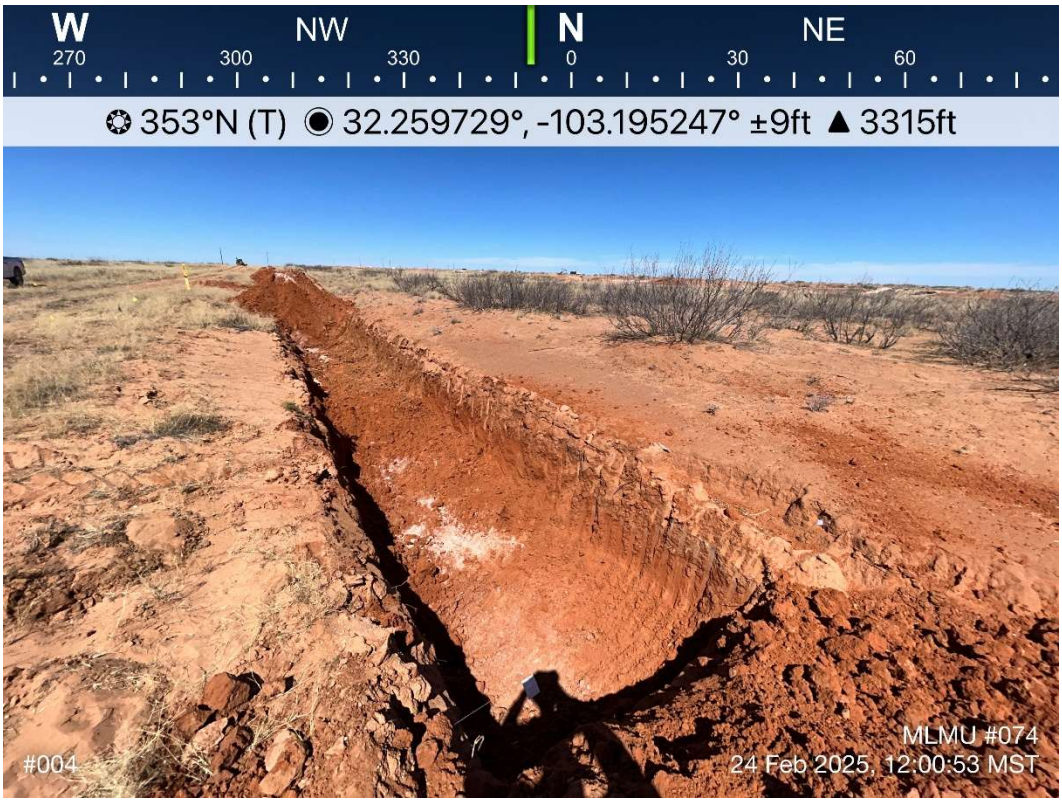


TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southeast. Former Release area. JAL 4 Booster Station in background.	8
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024

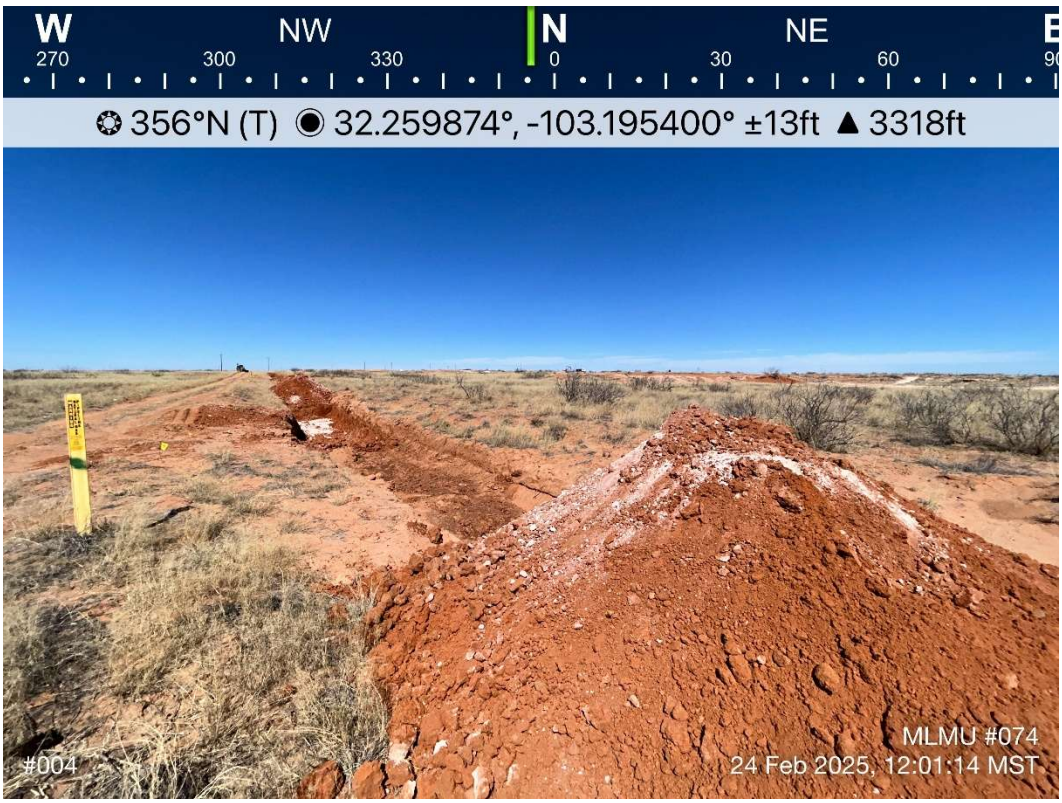
TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southeast. Former Release area. JAL 4 Booster Station in background.	9
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024



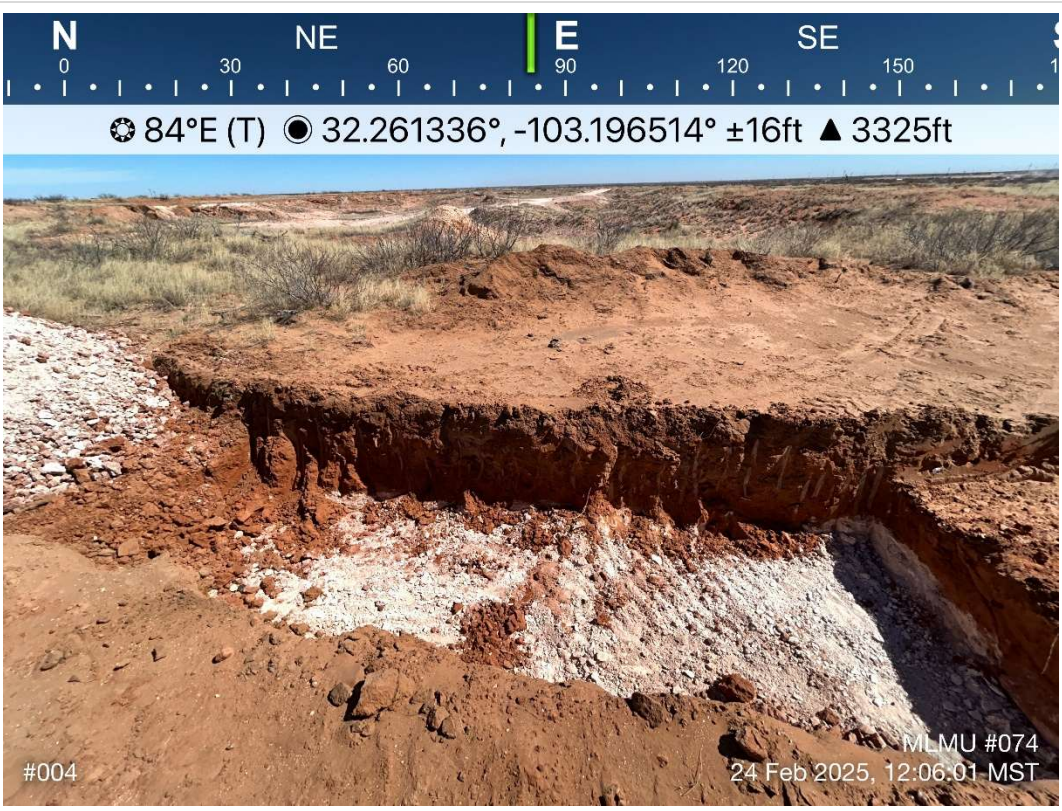
TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View northwest. Along pipeline corridor. Overhead powerlines and utility surface markers to the left.	10
	SITE NAME	JR Oil Ltd. MLMU #74 Release	11/27/2024



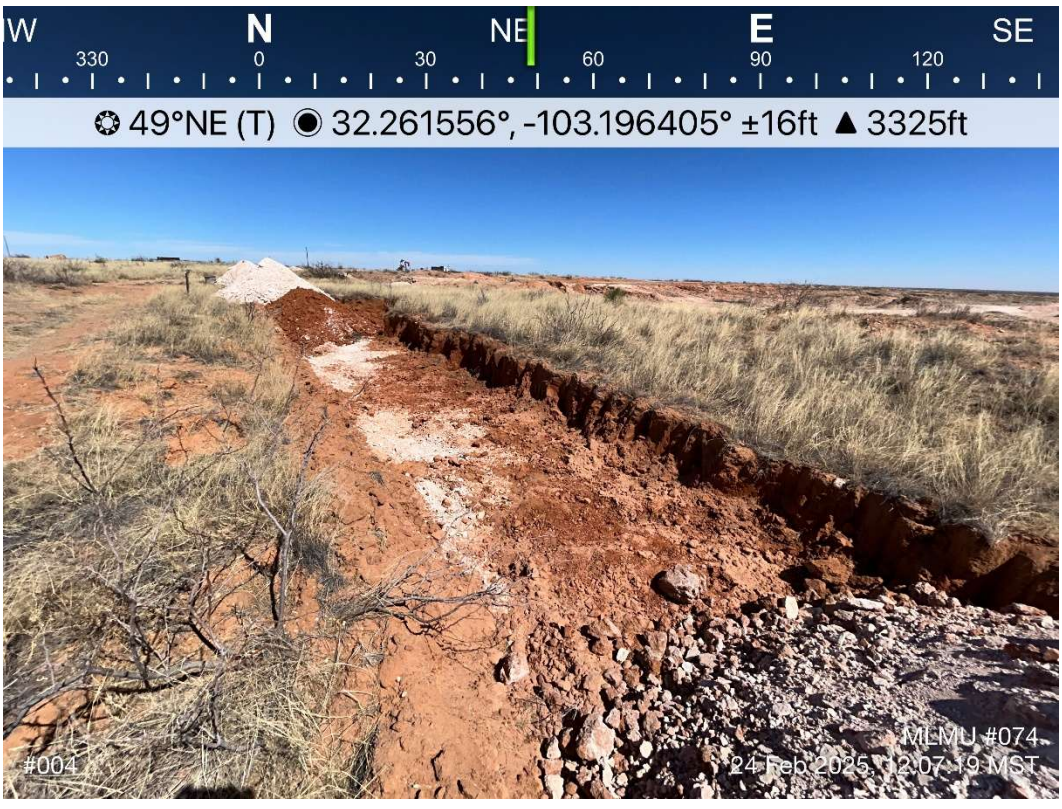
TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Excavation expansion. Pipeline corridor.	11
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Excavation expansion. Utility surface marker.	12
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View east. Excavation expansion.	13
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025

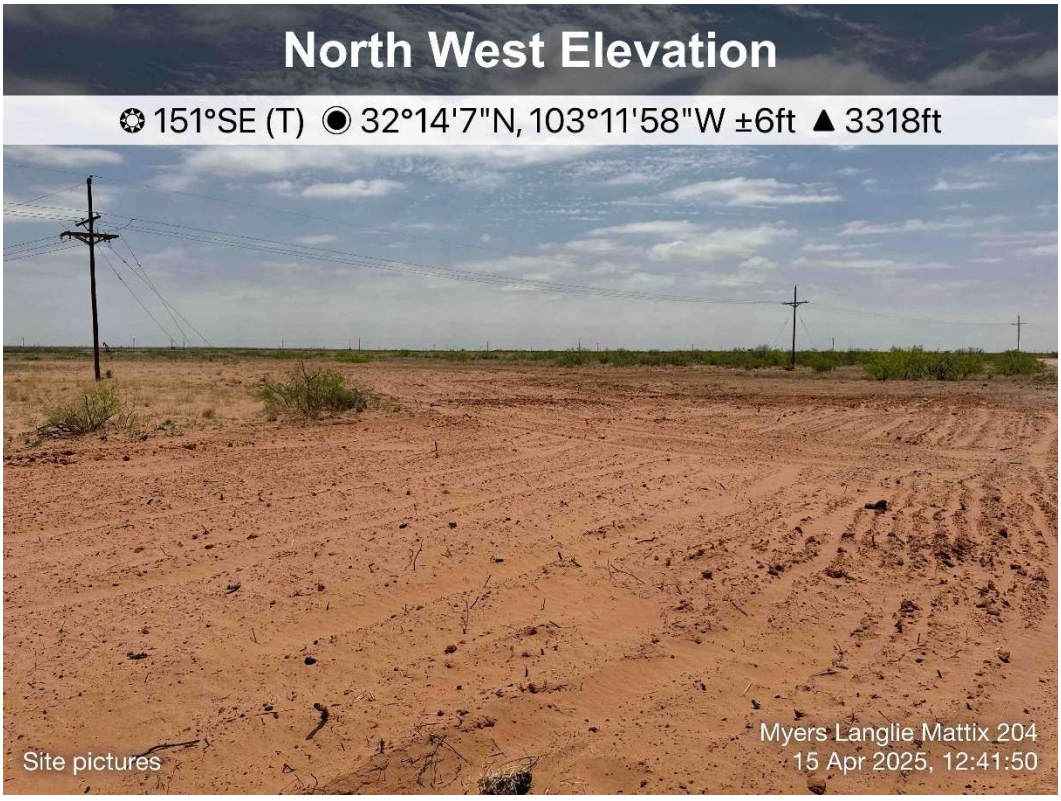


TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View northeast. Excavation expansion.	14
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View east. Excavation expansion.	15
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View north. Excavation expansion. Excavator removing soils.	16
	SITE NAME	JR Oil Ltd. MLMU #74 Release	2/24/2025

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southwest. Backfilled excavation with landform returned to natural gradient.	17
	SITE NAME	JR Oil Ltd. MLMU #74 Release	4/15/2025



TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southeast. Backfilled excavation with contouring to return area to natural gradient.	18
	SITE NAME	JR Oil Ltd. MLMU #74 Release	4/15/2025

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southwest. Backfilled excavation adjacent to pipeline ROW with marker visible upright in center.	19
	SITE NAME	JR Oil Ltd. MLMU #74 Release	4/15/2025

TETRA TECH, INC. PROJECT NO. 212C-MD-03750	DESCRIPTION	View southwest. Backfilled excavation, contoured to restore the natural landform.	20
	SITE NAME	JR Oil Ltd. MLMU #74 Release	4/15/2025

APPENDIX E
NMSLO Seed Mixture Details

1 REVEGETATION PLANS

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico

REVEGTATION PLANS	CODE	SOIL TEXTURES
Clay	C	Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)
Loam	L	Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam
Sandy Loam	SL	Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam
Shallow	SH	Rocky Loam, Cobbly Loam
Course	CS	Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam
Sandy	S	Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand
Blow Sand	BS	Fine Sand, Sand, Coarse Sand
Mountain Meadow	MM	Clay, Loam
Mountain Upland	MU	Clay Loam, Loam

NMSLO Seed Mix Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	**VNS, Southern**	**1.0**	**D**
Blue grama	**Lovington**	**1.0**	**D**
Sideoats grama	**Vaughn, El Reno**	**4.0**	**F**
Sand dropseed	**VNS, Southern**	**2.0**	**S**
Alkali sacaton	**VNS, Southern**	**1.0**	
Little bluestem	**Cimarron, Pastura**	**1.5**	**F**
Forbs:			
Firewheel (*Gaillardia*)	**VNS, Southern**	**1.0**	**D**
Shrubs:			
Fourwing saltbush	**Marana, Santa Rita**	**1.0**	**D**
Common winterfat	**VNS, Southern**	**0.5**	**F**
	Total PLS/acre	**18.0**	

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.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lea County, New Mexico

March 21, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,530 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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
BE	Berino-Cacique loamy fine sands association	0.2	37.7%
WK	Wink loamy fine sand	0.3	62.3%
Totals for Area of Interest		**0.4**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand
Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

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

Description of Cacique

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand
Bt - 12 to 28 inches: sandy clay loam
Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 6 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Palomas

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

WK—Wink loamy fine sand

Map Unit Setting

National map unit symbol: dmrm
Elevation: 3,000 to 3,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Wink and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wink

Setting

Landform: Depressions
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand
Bk - 12 to 23 inches: sandy loam
BCk - 23 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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

Minor Components

Berino
Percent of map unit: 5 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Midessa
Percent of map unit: 4 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Jal
Percent of map unit: 4 percent
Ecological site: R070BC030NM - Limy
Hydric soil rating: No

Cacique
Percent of map unit: 2 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

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

QUESTIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nPAC0726055029**
Incident Name	**NPAC0726055029 MYERS LANGLIE MATTIX UNIT #074 @ 30-025-25677**
Incident Type	**Produced Water Release**
Incident Status	**Reclamation Report Received**
Incident Well	**[30-025-25677] MYERS LANGLIE MATTIX UNIT #074**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MYERS LANGLIE MATTIX UNIT #074
Date Release Discovered	08/23/2007
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	*Not answered.*
Produced Water Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Produced Water | Released: 275 BBL | Recovered: 130 BBL | Lost: 145 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)	No additional details

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QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

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

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

I hereby agree and sign off to the above statement	Name: Brittany Long Title: Consultant Email: brittany.long@tetratech.com Date: 05/23/2025

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QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	2030
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0.1
GRO+DRO (EPA SW-846 Method 8015M)	0.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	05/01/2024
On what date will (or did) the final sampling or liner inspection occur	02/24/2025
On what date will (or was) the remediation complete(d)	04/15/2025
What is the estimated surface area (in square feet) that will be reclaimed	8242
What is the estimated volume (in cubic yards) that will be reclaimed	687
What is the estimated surface area (in square feet) that will be remediated	8242
What is the estimated volume (in cubic yards) that will be remediated	687
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 466915
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QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	J&L LANDFARM [fEEM0112339187]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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 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: Brittany Long Title: Consultant Email: brittany.long@tetratech.com Date: 05/23/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**433782**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/21/2025**
What was the (estimated) number of samples that were to be gathered	**10**
What was the sampling surface area in square feet	**1416**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
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	8242
What was the total volume (cubic yards) remediated	687
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	8242
What was the total volume (in cubic yards) reclaimed	687
Summarize any additional remediation activities not included by answers (above)	No additional information

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 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: Brittany Long Title: Consultant Email: brittany.long@tetratech.com Date: 05/23/2025

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QUESTIONS (continued)

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	8242
What was the total volume of replacement material (in cubic yards) for this site	687
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	04/14/2025
Summarize any additional reclamation activities not included by answers (above)	No additional details
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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: Brittany Long Title: Consultant Email: brittany.long@tetratech.com Date: 05/23/2025

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QUESTIONS (continued)

Operator:	OGRID:
J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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CONDITIONS

Operator: J R OIL, LTD. CO. P.O. Box 53657 Lubbock, TX 79453	OGRID: 256073
	Action Number: 466915
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation and reclamation closure is approved.	7/11/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	7/11/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/11/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	7/11/2025